

**Lowell City Council
Special Meeting
Tuesday, June 28, 2022 at 6 P.M.**

This meeting will be held electronically only through Zoom Meetings. Members of the public are encouraged to listen and participate by PC, tablet, or phone.

Instructions on how to join via Zoom Meetings are available on the city website at the following web address:

<https://www.ci.lowell.or.us/citycouncil/page/city-council-special-meeting-18>

Special Meeting Agenda

Call to Order/Roll Call

Councilors: Mayor Bennett ____ Harris ____ Stratis ____ Weathers ____ Murray ____

Approval of Agenda

New Business

1. Review proposals received for security cameras and intrusion detection at 70 N. Pioneer St. – Discussion/ Possible action
 - a. Federal Security
 - b. Security Monster
 - c. REECE Complete Security Solutions

At this time, City Council may approve a motion to award a contract to one of the proposers.

Adjourn the Special Meeting

The meeting location is accessible to persons with disabilities. A request for an interpreter for the hearing impaired or other accommodations for persons with disabilities must be made at least 48 hours before the meeting to City Clerk Sam Dragt at 541-937-2157.

Jeremy Caudle

From: Sales@fedSecurity.com
Sent: Tuesday, December 28, 2021 7:39 PM
To: Jeremy Caudle
Cc: Sales
Subject: Security System Estimate/Access Control Estimate/Video Surveillance Estimate:
Attachments: scan0471.pdf; scan0470.pdf

Thank you for inviting me to review your exciting new facility in the City of Lowell. Please review the following documents in consideration of your security, access control, fire and video surveillance possibilities for your site.

We are highly experienced in these types of systems, and we guarantee results you will be satisfied with. Please give us a call if you have additional questions about this project and we would be happy to provide those details and any information you need. We have been local security providers for over 25 years here in the Valley and have over 2500 clients served.

PS: The Fire Alarm estimate will need further review by us to complete. We should have that estimate to you by first of next week. We need to check with the AHJ (authority having jurisdiction) before finalizing that proposal.

Respectfully, Jim Cates
Operations Mgr:
Federal Security, Fedsecurity.com
Sales@fedsecurity.com
(888) 757-8153

Federal Security
P. O. Box 833
Corvallis, OR 97339-0833

Proposal

Date of Proposal: 12/28/21

Proposal Number:

Customer Number: 2546

Premise Phone: 541 359-8768

The terms of this proposal are valid
for 30 days from the date shown above.

City Of Lowell
107 East 3rd Street
Attn: City Administrator Jeremy Caudle
Lowell, OR 97452

Federal Security

ADM/911 Federal Security (800) 765-2580

Hereby Submits Specification and Estimate for:

2546 City Of Lowell @ 107 East 3rd Street

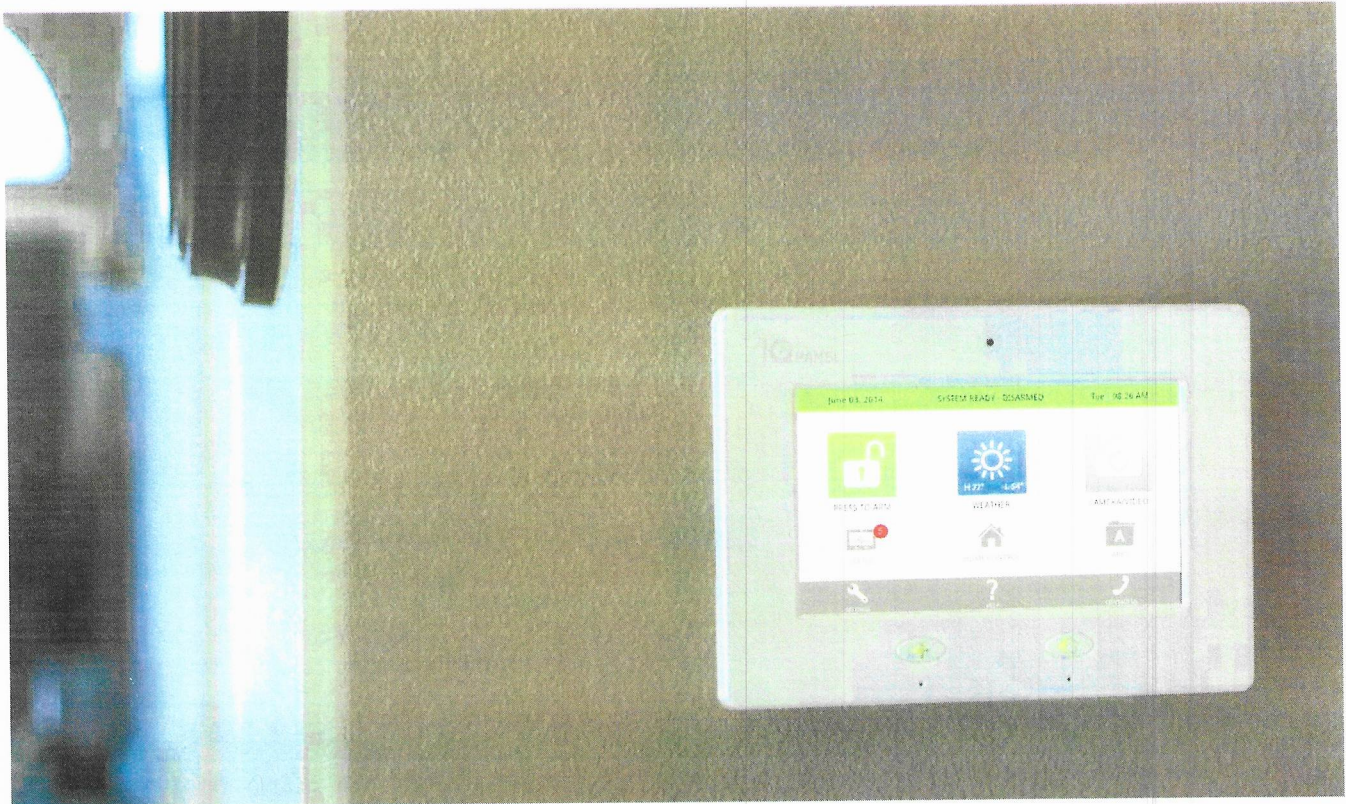
<u>Quantity</u>	<u>Description</u>	<u>Amount</u>
12/26/21	Proposal for Qolsys IQ Security System Enterprise Level:	
1	Qolsys Multi Partition Security System Console: \$587.00	587.00
3	GE Interlogic Door Sensors: \$55ea	165.00
5	GE Interlogic Motion Detection: \$87ea	435.00
3	GE Interlogic Glass Break Detection: \$92ea	276.00
1	Verizon/Iridium Satelite/IP Dual Path Communications:	192.00
1	APS Lithium battery backup system:	112.00
8	Labor for installation/setup/program/testing/demo:	704.00
1	Good Will Discount for the City of Lowell:	-500.00

*We are A+ Rated with the Better Business Bureau and
we would be proud to protect your facilities. Please call
me if you have any questions or concerns. Sincerely,
Jim Cates Operations Mgr Fedsecurity.com*

Complete in accordance with above specifications for: \$1,971.00

If you have any questions regarding this proposal please call us at (888)757-8153

ALL-IN-ONE, ALWAYS CONNECTED



CONGRATULATIONS!

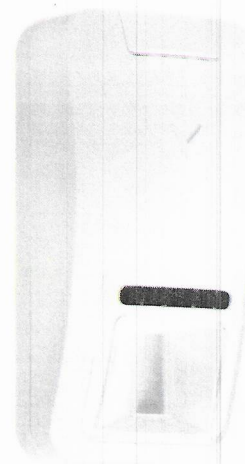
We'd like to thank you for making the decision to purchase the IQ Panel. We hope you'll enjoy using it as much as we enjoyed developing it. Our name is Qolsys, (pronounced kwal-siss) and stands for "Quality Of Life Systems." We built our organization on the belief that we can improve the quality of life through innovation and technology. This panel is the culmination of 3 years of development and testing, and we think you'll love it.

It's got everything you need in a single, easy to use device, and because we developed the software using a Google Android operating system, we can continue to refine your experience over time with software updates and innovative new devices.

The IQ Panel is more than just a security panel, its a home automation and control platform, giving you access and control over what is going on in your home at all times. To take full advantage of the power of this amazing device you'll want to download the free Alarm.com app to your smartphone or tablet. This will be your link to your home when you are away, keeping you connected and ensuring you have the control you need. We've tried to make the panel easy to use, and provide this manual as a reference to help you take advantage of all the features available. If you have questions on anything, don't hesitate to contact your security or home control provider.

Welcome to the future!
-The Qolsys team

PowerG Wireless Dual Technology (PIR & MW) Motion Detector



Key Features

- Dual PIR and K-band microwave technologies dramatically reduce false alarms and decrease associated operational costs
- Extended detection area 15m (50ft) and 90° coverage range
- Vandal-resistant design through patented V-Slot technology
- Pet immunity up to 18 kg (40 lb)
- Built-in leading-edge PowerG wireless technology
- Fast installations using link quality LED indicators and pull-tab auto enrollment
- The anti-masking feature prevents intruders from defeating the detector by covering its field of view.*

Advanced technology. Reduced false alarms.
Highly robust motion detector specifically suited for commercial business sites.

Fully secure businesses of all sizes with the PowerG Dual Technology Motion Detector that combines advanced PIR detection algorithms with K-band microwave detection to dramatically reduce false alarm events even in harsh installations. The detector sends an alarm signal after both the PIR and the microwave sensors have detected an intruder, significantly reducing false alarms. Uniquely designed to continuously adjust its sensitivity according to the location temperature, the dual technology motion detector is able to detect an intruder even when the ambient temperature is close to that one of the human body.

Based on built-in PowerG leading-edge wireless technology

Cut out the wires and plug in peace of mind with PowerG, the leading wireless security technology for today's homes and businesses. PowerG offers all the benefits of traditional wired security, without the hassles of wires. It makes consumers' lives more secure and convenient, and is ideal for a wide range of applications.

Specifications

Frequency	NA: 915MHz, LATAM: 915MHz, 433MHz, EMEA: 868MHz, 433MHz, APAC: 433MHz
Size (dimensions)	115 x 63 x 48mm (4.5 x 2.5 x 1.9")
Weight (including battery)	90g (3oz)
Battery type	3V CR-123A lithium battery
Battery life	5 years (with typical use)
Operating temperature	-10°C to 55°C (14°F to 131°F)
Operating environment	Indoors
Mounting Height	1.8m -3m (6ft -10ft)

PowerG – The power of wires, without the wires.

- Military-grade 128-bit AES encryption protects against powerful analysis tools and digital attacks
- Full two-way synchronized TDMA synchronized communication technology – to prevent message collisions
- Multi-channel, Frequency Hopping Spread Spectrum technology repeatedly switches frequencies to minimize interference of radio signals and prevent interception and obstruction during transmission
- Devices dynamically optimize their route to the control panel to avoid RF interference and to extend battery life up to 8 years**, and reducing the cost of system maintenance
- High transmission ranges allow for devices to reliably communicate within up to 2km/1.24 miles line-of sight, therefore reducing the cost of installing additional repeaters to service larger premises
- Simplified installation using a visible link quality LED indicator on the devices, allowing device testing at selected location, without having to return to the panel
- Quick, error-free enrollment with built-in auto enrollment process by simply using a pull tab
- Advanced, time-saving toolset: on-site and remote diagnostics, remote real-time testing, support for advanced applications & mobile control to dramatically reduce maintenance costs

**Battery life depends on device, device placement and system use

Approvals

- FCC/IC
- UL
- EN grade 2
- System 5

Compatibility

- PGX984P – PowerSeries Pro, PowerSeries Neo, Iotega systems & Qolsys panel.
For further information please refer to www.dsc.com and www.qolsys.com
- Tower-32 – PowerMaster systems all versions.
For further information please refer to www.visonic.com

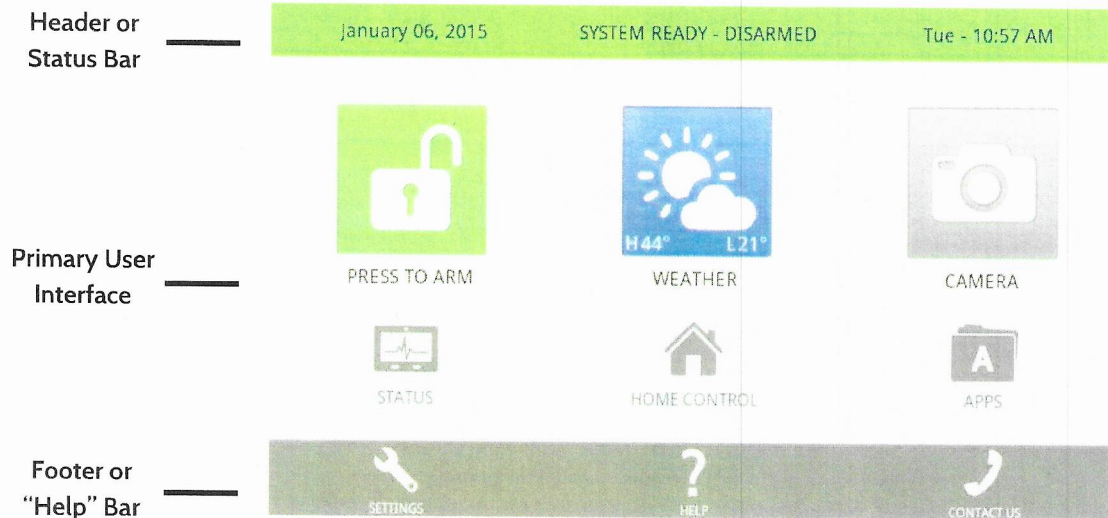
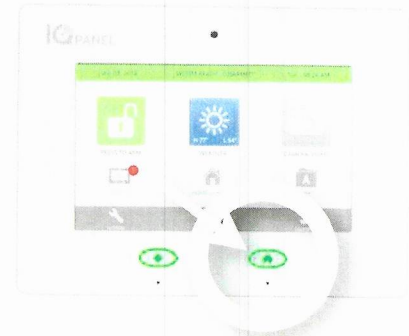
* Anti-masking feature is supported by PowerSeries Pro & PowerMaster panels

HOME SCREEN

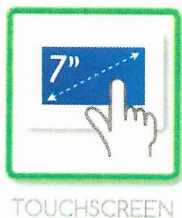
The home page is the primary page shown on the IQ Panel. It is the first page the user will see, and it is the default page when the user pushes the home button on the panel. It is divided into three sections: The header/status bar, the primary user interface, and the footer/help bar.

The home page displays the most important and most frequently used Apps. It allows the user to arm or disarm the security system; monitor the overall status of the system; view weather, time, and date information; and execute various security, home control, and other functions of the system.

FIND IT

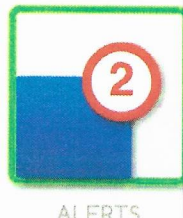


7" TOUCHSCREEN



In an emergency you need an immediate response to your touch, so we built the IQ Panel with a 7" RESISTIVE TOUCH screen so it even works with gloves, fingernails, etc.

ALERTS



The IQ Panel uses a common alerts system to draw your attention to various items. When you see the alert, touch the screen to find out what information is being shared.

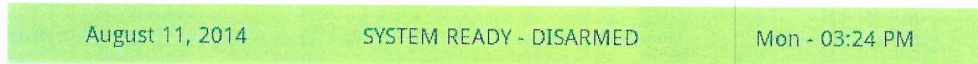
UPGRADE SERVICES



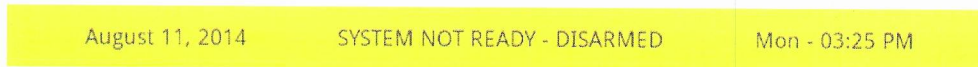
The IQ Panel is always improving. As new features are developed they may be made available to you. Contact your security provider for details.

STATUS TYPES & COLOR CODES

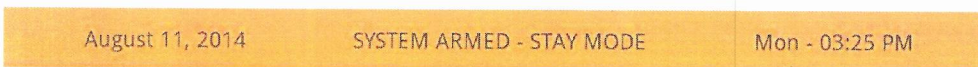
The header bar is color coded based on system status, and shows the date, time, and current status.



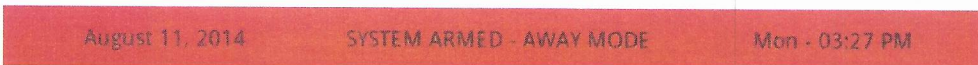
The **green** header is labeled "System Ready – Disarmed" and indicates that all of the sensors are closed and the system is ready to be armed.



The **yellow** header is labeled "System Not Ready – Disarmed" and indicates that one or more of the sensors are open. Touch this yellow bar to see a list of open sensors.



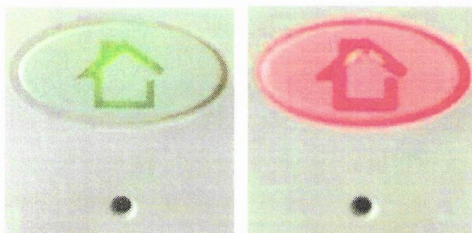
The **orange** header is labeled "System Armed- Stay Mode" and means that any entry through a protected door or window will trigger the alarm. Note: When armed, the home button and panic button will glow red.



The **red** header is labeled "System Armed- Away Mode" and means that any entry through a protected door or window or crossing the path of a motion detector will trigger the alarm. Note: When armed, the home button and panic button will glow red.

BACKLIT BUTTONS

The panel's "Panic" and "Home" buttons also illuminate to show panel status.



Green LED when
Disarmed

Red LED when
Armed

During a power outage these LED lights will NOT illuminate to save battery life if the panel is running on battery only

STATUS



If you want to know whether your sensors are open or closed, touch the "Status" app on the Home Screen



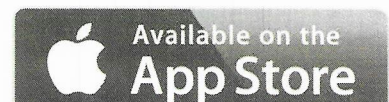
CHECKING STATUS OUTSIDE THE HOME



You can also see the status of your home from your Alarm.com mobile application, or from any web browser by logging into your Alarm.com account.



Go to your device and search for "Alarm.com"

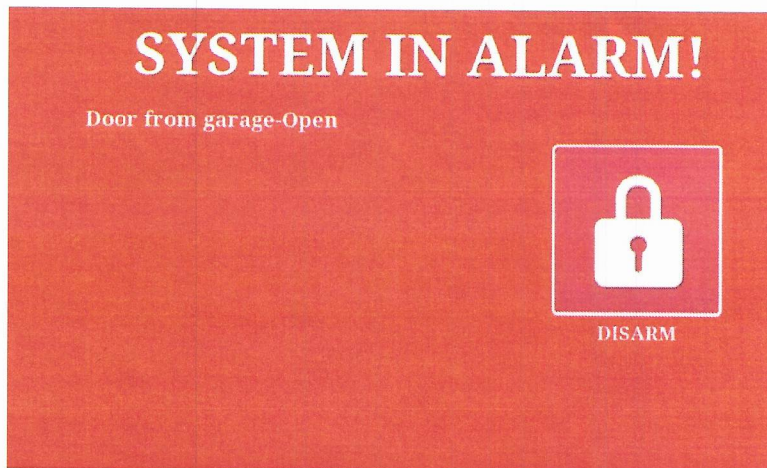


ALARM EVENTS

When the alarm is triggered the IQ Panel will sound the siren and display a red alarm screen.

If your security provider offers monitoring service, the panel will automatically contact the monitoring center using the built in cellular connection.

To disarm, touch the screen and enter your passcode.



POLICE



When the system is armed and the alarm is tripped or you touch the “Police” emergency button the alarm sounds with the “Intrusion” siren and then activates the Two-Way Voice microphone and speaker, if available.

FIRE



When a Smoke or Carbon Monoxide detector is triggered or someone taps the “Fire” panic on the IQ Panel:
•The alarm sounds with the “Fire” siren and then activates the Two-Way Voice microphone and speaker, if available.

AUXILIARY



When you press an IQ Pendant or trigger an “Auxiliary” emergency from the IQ Panel:
•The alarm sounds with the “Auxiliary” siren and then activates the Two-Way Voice microphone and speaker, if available.

FALSE ALARM

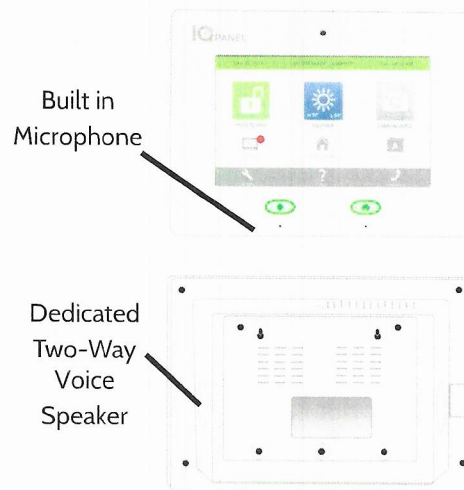
In the event of a false alarm, press disarm and enter your user code. If your system is monitored, be ready to provide your verbal password to your security provider’s monitoring agent if they contact you. If you are unable to provide the correct verbal passcode, the authorities may be contacted.

TWO-WAY VOICE

Note that Two-Way Voice services are only activated after an alarm event and may not be available in all areas or with all security providers.

HARDWARE

The built in microphone on the front of the panel and the dedicated Two-Way Voice speaker on the side of the panel activate after a connection to the monitoring station has been made.



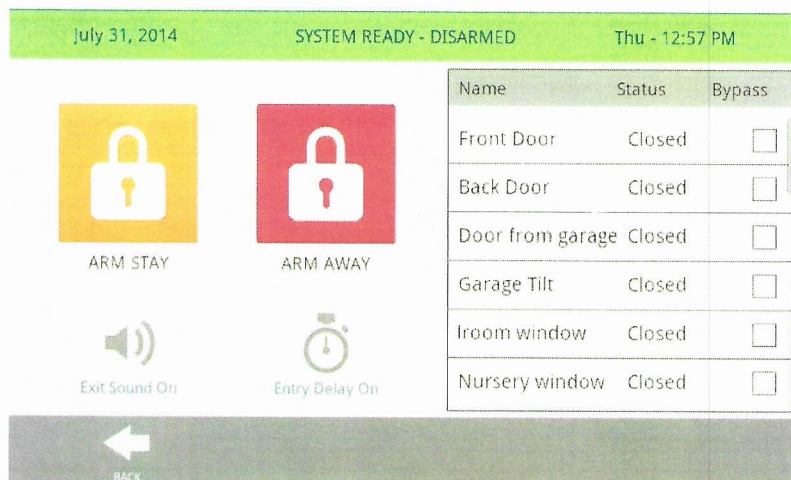
ARMING

The first icon on the home screen is used for arming and disarming.



PRESS TO ARM

The green “unlocked” icons means your system is currently disarmed and ready to arm and will coincide with a “System Ready” message in the Header/Status Bar. Touching this icon will provide you with two arming modes and several optional



BYPASS

Bypass sensors easily by checking the buttons next to the sensor name on the right side of the screen. The panel shows you the status of each device for easy reference and open sensors pop to the top of the list.



ARM STAY

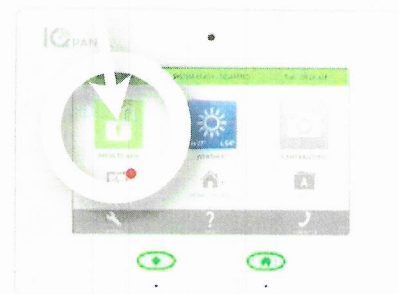
Arming in “Stay” mode indicates that people will remain inside the home while the system is armed. Devices such as the IQ Motion and the Image Sensor may not be activated in this mode. We encourage users to activate this regularly, especially as they retire for the evening.



ARM AWAY

Arming in “Away” mode indicates that the home will be vacant while the system is armed. All devices, including the IQ Motion and the Image Sensor will be activated in this mode. We encourage users to activate this whenever they leave the home.

FIND IT



ARMING OPTIONS



EXIT SOUNDS

The panel beeps as the arming timer counts down. You can silence these beeps before you choose an arming type.

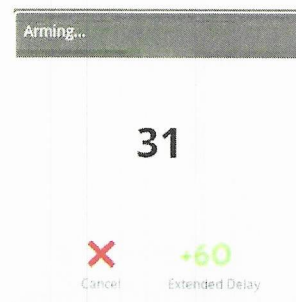


ENTRY DELAY

The panel will give you time to disarm once a “delay door” has been opened. Turn this off with a touch.

COUNTDOWN TIMER

When you arm “Away” a timer will appear, giving you time to leave the home before the system is activated.



NEED MORE TIME?

Extend the exit delay by either touching the +60 or by re entering your home if you had forgotten something.

DISARMING

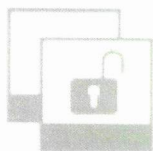
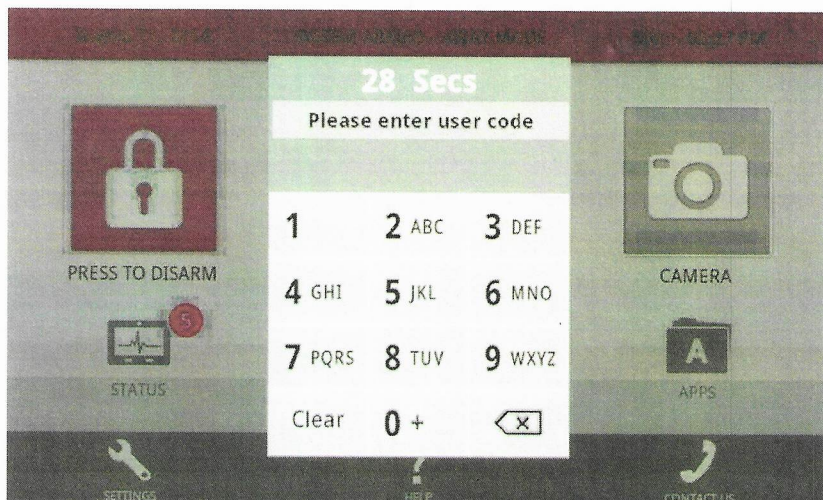
The first icon on the home screen changes appearance when the system is armed.



ARMED

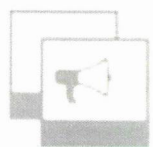
When the system is armed, whether in “Stay” or “Away” mode, the icon turns red (or orange) and appears “locked.” To disarm, tap this icon.

If a “delay” door is opened the panel will go into a countdown, allowing the user time to enter their code without triggering the alarm. The camera will take a picture and save the image in the camera app.



DISARM PHOTOS

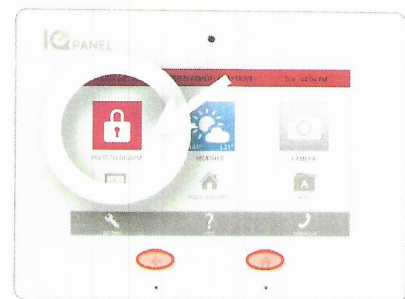
When you disarm the system from the panel, the built-in IQ Camera will automatically take a photograph and store it in your Camera App, along with the date, time the panel was disarmed and user name. (Note: If an invalid user code was attempted, the system will log this as well)



ALARM PHOTOS

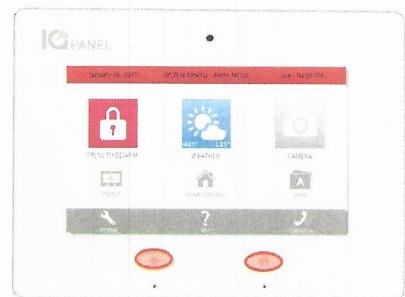
If your alarm is triggered, the panel will take a photograph and save it in “Alarm Photos” inside your Camera App.

FIND IT



COLOR CODED STATUS

The IQ Panel is designed to make knowing panel status easy. When armed, the buttons, arming button, and header bar will all appear red.



QUICK EXIT



QUICK EXIT (STAY MODE ONLY)

Need to grab the paper? Let the dog out? Head to work early and don't want to wake those asleep? When the system is armed, press “Quick Exit” for a 120 second period where you can open doors without deactivating the system.

WEATHER

The second icon on the home screen is for weather

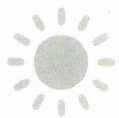


TODAY'S FORECAST

Today's forecast is displayed on the weather icon with a graphical representation of expected precipitation, as well as the High and Low temperatures for the day.

PRECIPITATION

The forecasted precipitation will be depicted visually on the panel, and will change based on the day's outlook.



SUNNY



PARTLY SUNNY



MOSTLY SUNNY



MOSTLY CLOUDY



FOG



CLOUDY



RAIN



STORMY



SNOW






SLEET



ICE



DUST/HAZE

Weather		SYSTEM READY - DISARMED		Tue - 11:01 AM	
Extended Forecast					
Tuesday		Wednesday		Thursday	
					
Partly Cloudy		Mostly Sunny		Partly Cloudy	
44°F		44°F		42°F	
High		High		High	
21°F		24°F		25°F	
Low		Low		Low	

FIND IT



LOCATION



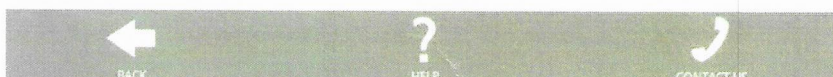
Your weather reporting is based on your location, which is set by your dealer. When the IQ Panel is installed your dealer indicates your zip code in your Alarm.com account.

FORECAST

4

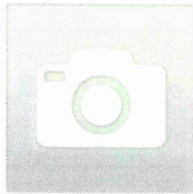
DAY FORECAST

If you touch the weather icon, you will get a four day weather forecast.



CAMERA

The third icon on the home screen is Camera app.



CAMERA APP

The Camera app is used to access the images taken by your built in panel camera and up to 5 Image Sensors.

Camera SYSTEM READY - DISARMED Thu - 01:01 PM



Disarm Photos



Image Sensors



Alarm Photos



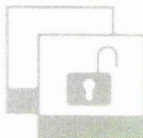
BACK



HELP



CONTACT US



DISARM PHOTOS

The IQ Panel will automatically take a photo every time a user attempts to disarm the panel. The 20 most recent images are saved in the camera app under "Disarm Photos" and also store the date, time, user and whether the code used was valid.

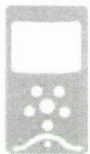


IMAGE SENSOR

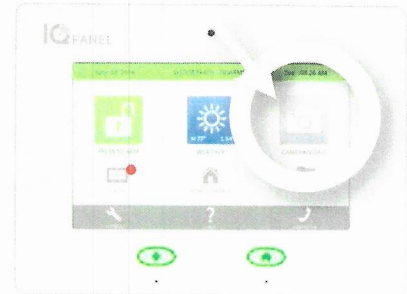
The IQ Panel can support up to 5 Image Sensors. When pictures are taken, they will be saved and can be viewed from this app.



ALARM PHOTOS

The IQ Panel will automatically take a photo when the alarm is triggered, and another when the panel disarms. The 20 most recent images are saved in the camera app under "Alarm Photos" and also store the date and time they were captured.

FIND IT



CODE REQUIRED?

PROTECT YOUR IMAGES

You can protect the images taken by your cameras in one of two ways:

1- Require code to access the app.

This will require anyone trying to access the entire app to enter a valid user code.

2- Require code to delete images

This allows anyone to view the images, but only those with a valid user code can delete pictures.

To change these settings, contact your security and home control provider.

DISABLED



DISABLED APPS

In some cases these apps may be disabled by your security and home control provider. If this is the case the icon will appear light grey and give you an error message when you try to access them. Contact your provider for more information.

STATUS

The first icon on the second row is Status.



STATUS APP

The Status app is divided into four sections: Current Status, Alerts, Alarms and History.

Status					
SYSTEM READY - DISARMED Tue - 08:40 AM					
CURRENT STATUS		ALERTS ¹	ALARMS ⁵	HISTORY	
No	Name	Group	Chime	Status	History
1	Front Door	10-Entry-Exit-Normal Delay	High wire	Closed	View
2	Back Door	13-Instant Perimeter D/W	High wire	Closed	View
3	Door from garage	12-Entry-Exit-Long Delay	High wire	Closed	View
4	Garage Tilt	12-Entry-Exit - Long Delay	High wire	Closed	View
<div> ← BACK FILTER </div>					

CURRENT STATUS

The individual security sensors are listed by zone/area. The status and settings for each of the sensors are shown in a list. Use your finger to swipe up or down to see the entire list. To see the history for a specific sensor, click "View."

ALERTS

Alerts are messages about tampered sensors, low batteries, and failed communications. The total number of unacknowledged Alerts messages appears in the red bubble counter on this tab. The user may acknowledge each message separately, which will then eliminate the message from the list.

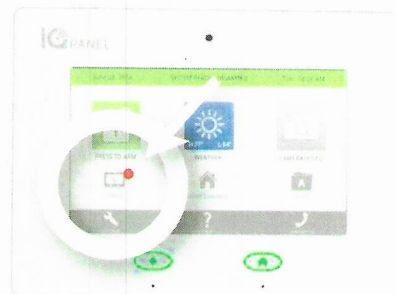
ALARMS

Alarms lists all unacknowledged messages about alarm events.

HISTORY

The last tab displays a history for all sensor activity connected to the IQ Panel. The system will store up to 100 events in the history listing.

FIND IT



ALERTS



If the IQ Panel is reporting a new issue, it will display a bubble above the app showing the number of new items that may require your attention.

ACKNOWLEDGE

<input type="checkbox"/>	Acknowledge	Time, Date
<input type="checkbox"/>		12:08 am, Jul 0

Acknowledge a single alert by tapping the check box to the left. Acknowledge all the alerts by tapping the check box at the top of the table.

FILTER



You can view specific results by touching the "Filter" button

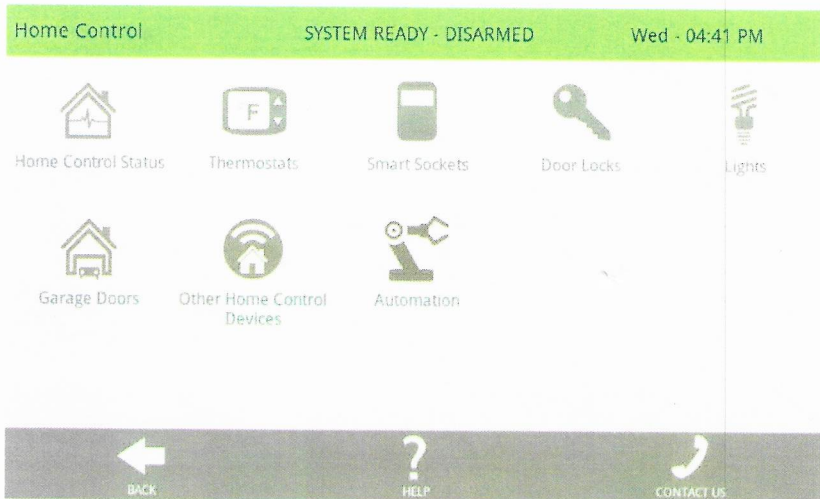
HOME CONTROL

The house icon on the second row is Home Control.



HOME CONTROL

Control all your home automation devices from one place.



Home Control Status

See the status of all your home control devices



Thermostat

See the current temperature, adjust target temps as desired, switch from heat to cool, auto or off



Smart Socket

Control each side of the smart socket, see current energy usage



Door Locks

See lock status, battery level and send a lock or unlock command.



Lights

Control light modules from the IQ Panel, Turns lights on or off as needed



Other Home Control Devices

Devices such as Z-Wave repeaters, Z-Wave sirens and other misc devices that do not fall into the categories above are grouped here.



Garage Doors

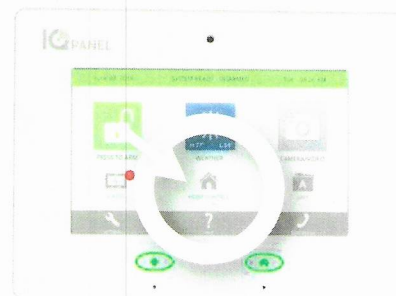
Open and close your garage door as well as view the status locally from your panel. (Z-Wave garage door controller not available on Alarm.com)



Automation

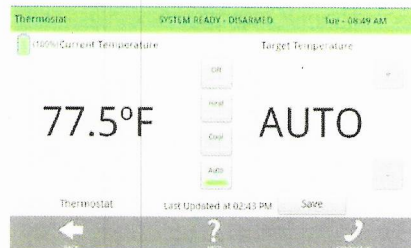
Set up simple rules to automate lights. Have them follow rules when a front door opens, a doorbell rings or follow a schedule at night.

FIND IT



Home Control Status SYSTEM READY - DISARMED Tue - 08:47 AM		
CURRENT STATUS	ALERTS	HISTORY
Device Name	Manufacturer	Status
Back Door	Kwikset	Normal
Front Door	Sale	Normal
Thermostat	Ecobee	Normal
Tv Smart Socket	Qolsys	Normal
Master Bedroom Socket	Qolsys	Normal

Home Control Status



Thermostats

Smart Sockets SYSTEM READY - DISARMED Tue - 10:46 AM			
Name	Socket Name	Status	Power Details
Smart Socket	Left Socket	On	Details
	Right Socket	Off	Details

Get Status On Off

Smart Sockets

Door Locks SYSTEM READY - DISARMED Thu - 12:39 PM		
Name	Status	Battery
Front Door	Locked	100%

Get Status LOCK UNLOCK

Door Locks

APPLICATIONS

The folder icon on the second row is labeled Apps.



APPS

Since the IQ Panel is built on the Android operating system, you have access to a variety of useful applications, and more to come as they are developed.



CLEAN SCREEN

Pressing this will completely deactivate the touchscreen for 30 seconds, giving you time to clean it off. Press the home button to deactivate.



ACTIVITY MONITOR

Sensors programmed to monitor activity in the home. Know when a medicine cabinet is opened or an elderly gets out of bed using a bed sensor.



HISTORY

See a complete history of all the panel's sensors and systems. (Most recent 100 items are displayed)



ALERTS

See what issues the panel may be experiencing.

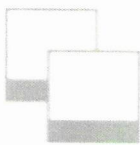


PHOTO FRAME

Turn your IQ Panel into a digital photo frame when it's not being used.



SOUND SETTINGS

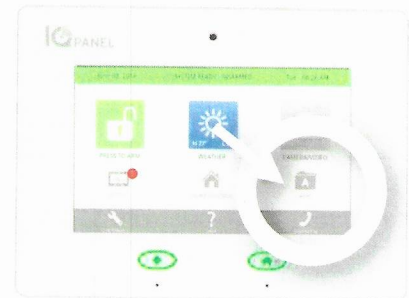
Adjust the sound settings for every aspect of your IQ Panel.



LANGUAGE TOGGLE

Quickly toggle your panel's primary language between English, Spanish and French.

FIND IT



ANDROID DEVELOPERS



The IQ Panel is built on Android, which allows Qolsys to add Apps developed by our team as well as by others in the Android Developer Community.

NOTE: For security purposes, the IQ Panel is not open to the Android Market.

UPGRADE SERVICES



Because the IQ Panel is built on the Android platform, new applications are sure to appear in the future. These new apps will appear on your panel using the upgrade services inside in your panel.

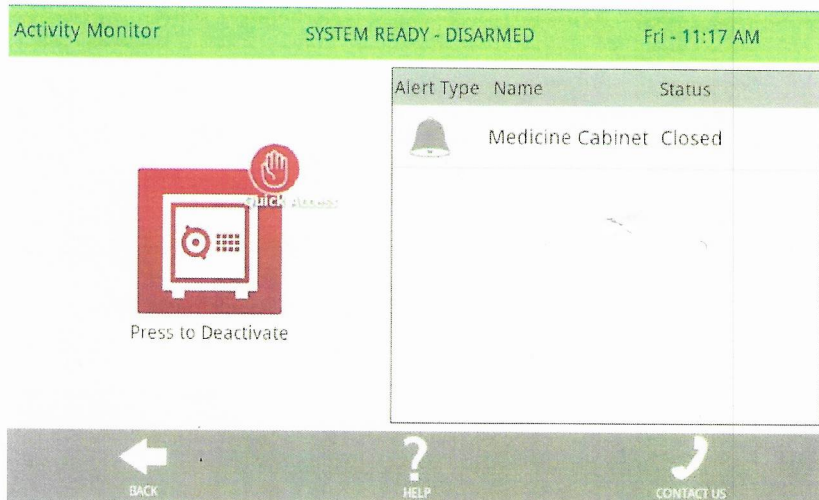
ACTIVITY MONITOR

Activity Monitoring sensors are created when the system is installed, and can be accessed from the Apps page.



ACTIVITY MONITORING

A way to monitor specific areas of your home without effecting the status of your security sensors.



Activity monitoring sensors function independently from the intrusion security system on the IQ Panel. These sensors provide warning information via voice prompts and/or chimes. The warning notifications will be announced anytime that an activity monitoring sensor is opened or closed (or motion detected for motion sensors). These sensors are defined at the time of installation.

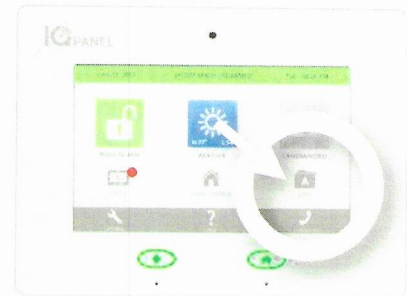
The Activity monitoring app allows the user to manage sensor behaviors. Functions are provided to Disable (turn off) the warning notifications, Quick Access (temporarily turn off the warning voice prompts and chimes), and to Enable (turn on) the warning notifications.

The right side of the display includes a list of all of the sensors by name and their respective status information (open, closed, or active). The right side of the display contains the sensor's control functions.

HOW TO DISABLE ACTIVITY MONITORING

To turn off all of the sensor voice prompts and chimes, press the "Deactivate" button on the left side of the display, then enter your user code to authorize. Once disabled, these sensors will not chime or set off the alarm.

FIND IT



ARMED ALARM

If a sensor is activated while the panel is armed, it will not sound the alarm and the alarm will remain in its current state.

QUICK ACCESS



Need to access Activity Monitoring? Open the Activity Monitoring app and press "Quick Access." You will have 300 seconds to open and close the sensor without triggering the chime.

SENSOR LOCATIONS

The following could be great areas of the home to place a sensor to monitor its activity:

- Pool gate
- Garage door
- Home office
- Toddler bedroom door
- Gun safe
- Medicine cabinet
- Tool shed
- Utility room
- Cleaning supply closet
- Bed sensor
- Chair sensor

PHOTO FRAME

Press “Apps” and then select “Photo Frame.”

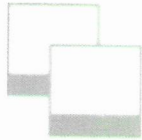


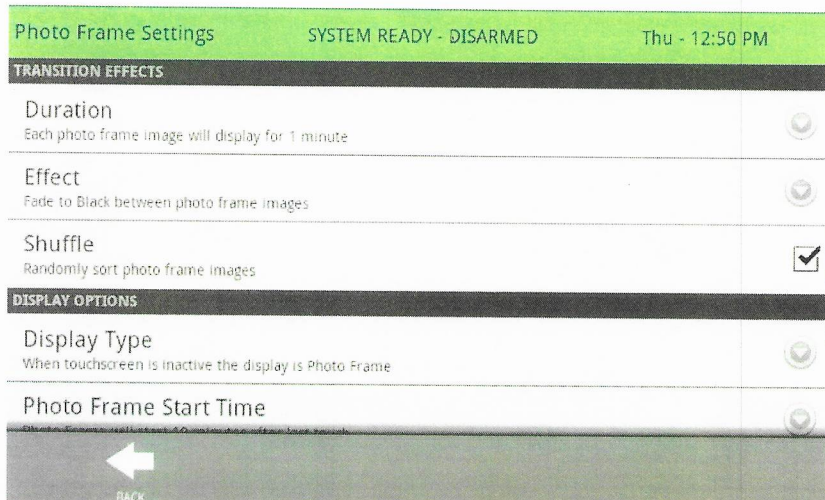
PHOTO FRAME

Turn your IQ Panel into a digital photo frame. View pre loaded images or add some of your own!

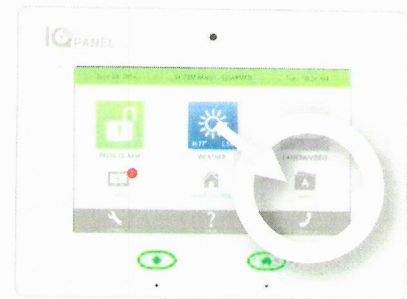
When you open the Photo Frame app, you will see thumbnails of the images saved in the panel, as well as buttons to play, remove and add photos as well as a settings button.



Tapping the “Settings” icon will allow you to customize your photo frame experience with preferences like duration, effects and display type .



FIND IT



PREVIEW

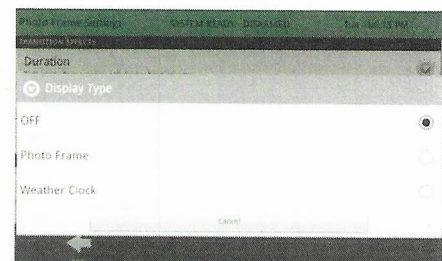


To preview a photo, touch the picture from the photo frame app. It will expand to full screen. You can use the arrows to view the next or previous image, touch the trash can to delete an image, or go back to the Photo Frame Menu

DISPLAY TYPE



Choose a display type for your photo frame. You can opt to turn it off completely, scroll through pre loaded images or view a “weather clock”



16

USERS











Access "User Management" through the "Settings" icon.




USERS

Add, delete, or edit names, access levels and individual user codes for those who access your system. You can add up to 242 users, so make sure everyone who should have access has their own code!

User Management SYSTEM READY - DISARMED Wed - 01:39 PM

Id	Name	Type	Expiration Date	Edit	Delete
1	Admin	Master	unlimited		
2	Jeremy	Master	unlimited		
3	Erin	User	unlimited		
4	Jake	User	unlimited		
5	Grammy	User	unlimited		

Add User

 BACK

The IQ Panel allows multiple users to control the system. Each user can have their own unique user code to arm, disarm and allow the panel to track user logs. Users have the ability to add, edit, or delete users by pushing the corresponding buttons on the screen. Make the desired changes and tap "Save" to exit.

Add User SYSTEM READY - DISARMED Wed - 01:40 PM

Name


User code

Confirm user code

Type

Expiration Date

Add User

 BACK

FIND IT



AUTO-UPDATE



When you make a change to a user, it will automatically update the information on your Alarm.com account.

If you make a change to a user on your Alarm.com portal, it will automatically update the information on your IQ Panel.

CODE TYPES



You can create users in the following categories:

Master:

Access panel functions, camera, and system settings.

User:

Access panel functions, camera, but NOT system settings.

Guest:

Used to give arm and disarm access to those users who will use the panel on a temporary basis.

SYSTEM TESTS

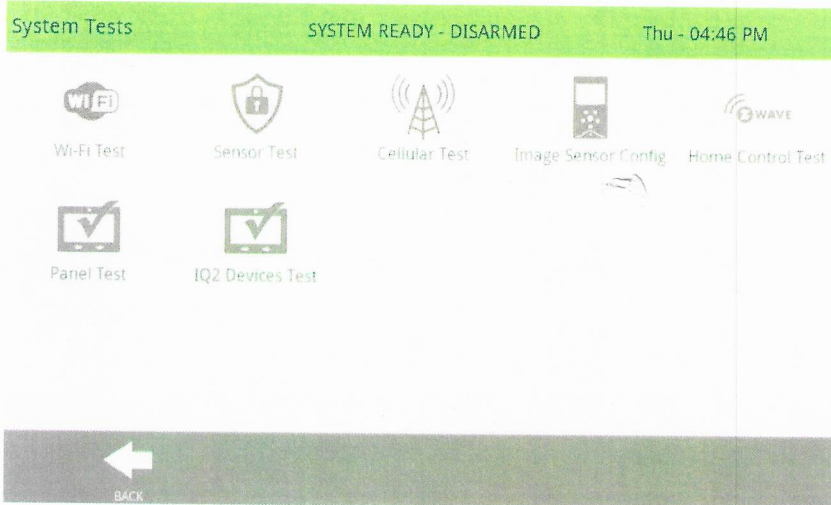
Press "Settings" and select "System Tests"



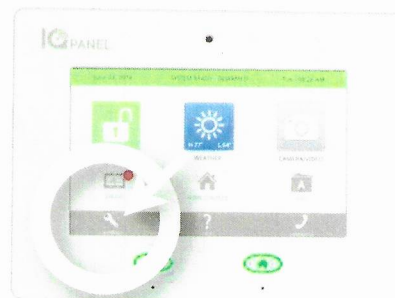
SYSTEM TESTS

Testing your panel's various communication paths are essential in the upkeep of your alarm system.

The panel provides a variety of different tests you can use to make sure everything is communicating accurately and effectively.



FIND IT



TEST WEEKLY



Test your system regularly (we suggest on a weekly basis). Ask your security provider for details.

WI-FI TEST

Wi-Fi Test			
SYSTEM READY - DISARMED		Wed - 01:42 PM	
Test Name	Test Result	Test Time	
Wi-Fi	Pass (72 Mbps)	01:42 pm, Jul 02, 2014	Run

Test your Wi-Fi connection often to ensure a strong connection. *Please note: The test will check the panel's connection to your network or router, but will NOT verify if the router has internet connectivity*

SENSOR TEST

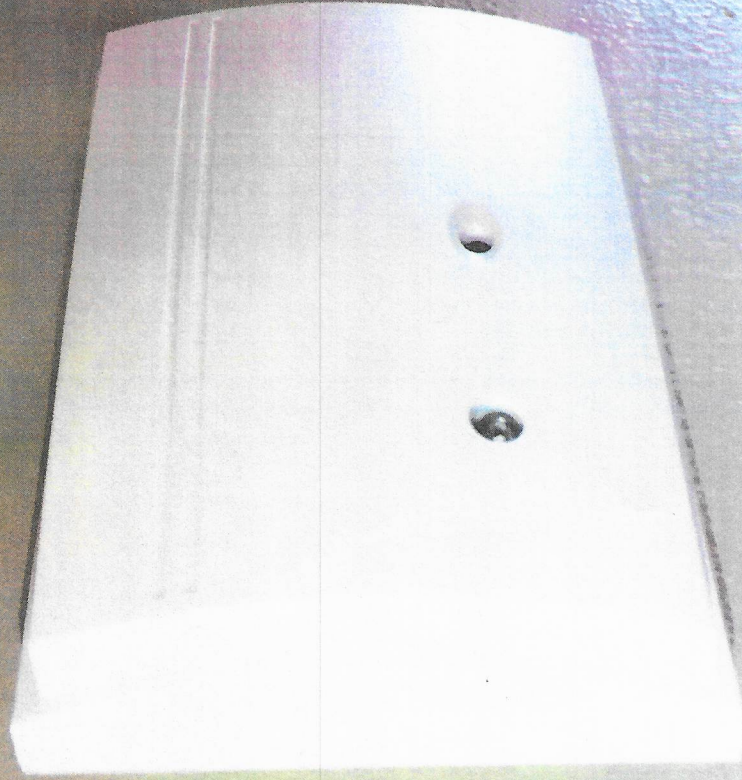
Sensor Test				
SYSTEM READY - DISARMED		Wed - 01:44 PM		
No.	ID	Name	Result	Last Run Time
1	D203A0	Front Door	Excellent (100.0 %)	01:43 pm, Jul 02, 2014
2	040340	Back Door	Excellent (62.5 %)	01:44 pm, Jul 02, 2014
3	6A83A6	Door from garage		
4	5D1DA1	Garage Tilt		
5	E88BA4	Girls bedroom		
Press tamper or trip one sensor at a time				

Perform a sensor test regularly. We recommend once a week to ensure all devices keep a strong signal.

GLASSBREAK-S



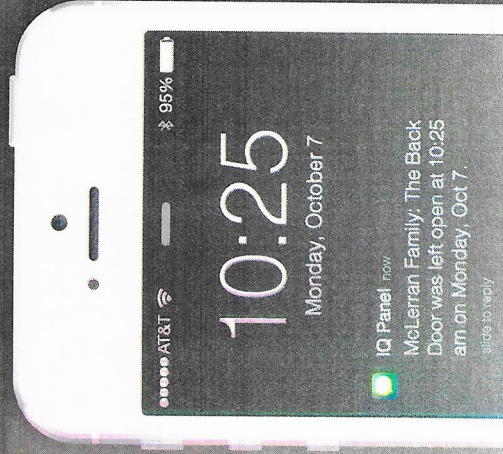
ENCRYPTED GLASS BREAK DETECTOR



S-LINE
SECURE 319.5 MHz

FEATURES

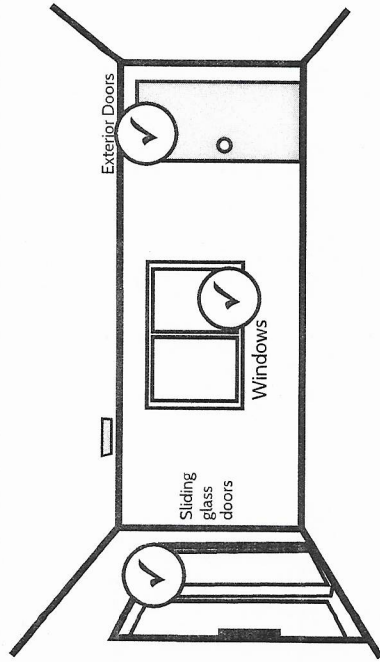
- Encrypted sensor technology protects signals sent to the IQ Panel
- Backwards compatible for legacy 319.5 systems
- Detects the pitch and frequency of breaking glass
- Actively listening for breaking glass frequencies when you are in "stay" or "away" modes
- Typically installed on the wall opposite the windows needing protection, or on the ceiling in a room with windows on multiple sides
- Protects windows within line of sight within 25



IQ SHOCK-S QUICK INSTALL GUIDE



STEP 1 CHOOSE INSTALLATION LOCATION



SPECIFICATIONS

Dimensions: 23.97mm D x 39.91mm W x 79.60mm L
 Frequency: 319.5MHz
 Battery: 3V lithium CR123A
 Magnet gap: 1 inch max
 Operating Temperature: 32°-110°F (0°-45°C)
 Operating Humidity: 5-85% RH non-condensing
 Compatible with Qolsys control panels
 Supervisory signal interval: 60 min (approximately)
 Potentiometer: Shock sensitivity adjustment

STEP 2 DIP SWITCH CONFIGURATION

Three dip switches allow you to customize the behavior of this device:

DS#1 - Test Mode:

ON: Enables sensitivity test mode.
Please note, when test mode is enabled (ON) the IQ Shock will NOT transmit signals to the IQ Panel. This mode is only used for initial installation of the shock sensor.

OFF: Disables sensitivity test mode.

DS#2 - Pre-Warn:

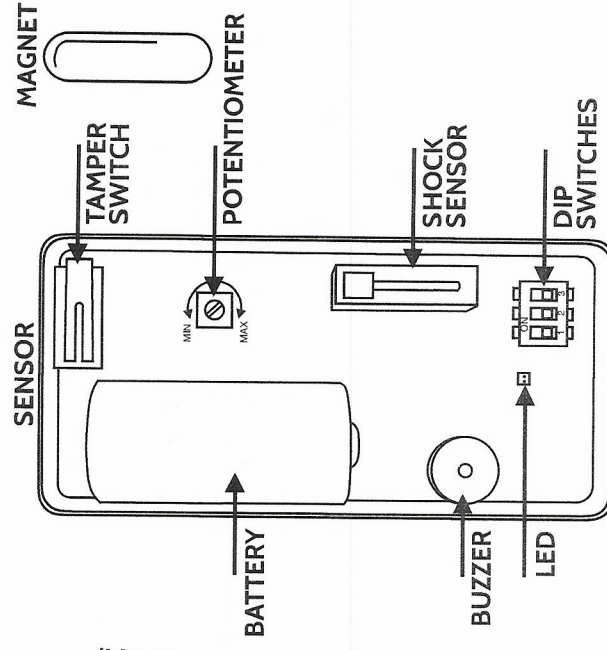
ON: Enables pre-warn sounder and red LED.

OFF: Disables pre-warn sounder and red LED.

DS#3 - Reed Switch:

ON: Enables reed switch.

OFF: Disables reed switch.

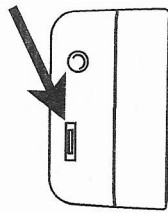


IMPORTANT NOTE:

The IQ Shock is intended to be installed on doors with or without glass inserts and on window frames but not on the actual glass surface.

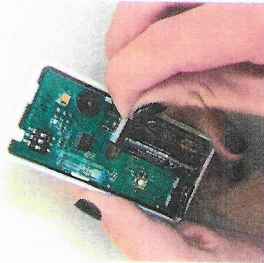
This is a quick guide for experienced installers only. Refer to <http://dealers.qolsys.com> (login required)

STEP 3 OPEN
DEVICE
CASING

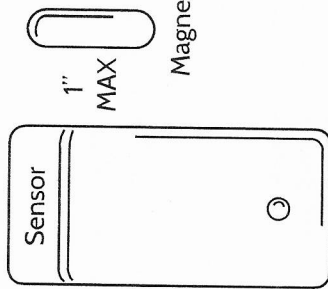


Push tab to open
the device.

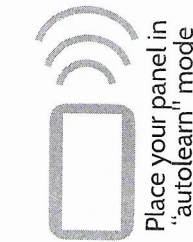
STEP 4 PULL
BATTERY
TAB



STEP 5 SECURE
SENSOR &
MAGNET



STEP 6 LEARN
INTO
PANEL



Place your panel in
"autolearn" mode



Open/close magnet
OR
Tap cover



Customize name and
settings as desired and
touch "ADD"

***If dip switch #1 is on, no RF transmission is generated by the sensor and it will not auto learn. Dip switch #3 must be on for the reed switch to work.**

STEP 7 ADJUST
SHOCK
SENSITIVITY

Adjusting the Shock Sensitivity:

Adjust the shock sensitivity from the final mounting position. Test shock sensitivity by moving dip switch 1 to ON (enable test mode). While in this mode a short beep and green LED will flash when the unit detects a pre-warm threshold. A long beep and red LED will flash when the unit detects a shock level strong enough to trigger an alarm at the control panel. **Please note that no RF transmission from the sensor occurs during sensitivity test mode.**

Gently hit (using the palm of your hand) the surface on which the device is installed. Gradually increase the pressure or turn the shock sensitivity adjustment dial clockwise with a small screwdriver until the desired response is obtained. Ensure that the device is not triggered by accidental vibration (e.g., wind, birds, window coverings) hitting the protected window or surface. Normal traffic or operation of the door/window should not trip the shock sensor. When testing the sensitivity of the unit, do not cause stress or damage to the mounting surface or to the glass. **WARNING:** *In order to avoid personal injury while testing sensitivity, do not apply pressure to glass inserts or windows.*

Move dip switch 1 to OFF (disable test mode) once shock sensitivity has been set to the desired level. Verify that the IQ Shock properly communicates properly with the IQ Panel.

Document#: IQSS-QG-10-10

Revision#: 10/10/17

Issue Date: OCT 2017

Golsys Product #: QS1138-840

Golsys Inc. proprietary.

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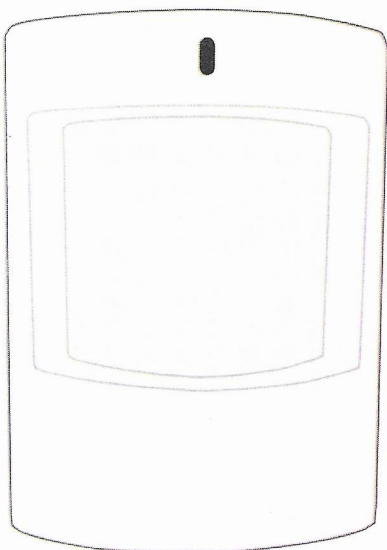
FCC ID: 2ABBZ-RF-ARSHK

IC: 11817A-RFARSHK

GOT QUESTIONS?
CONTACT TECH SUPPORT
TechSupport@Qolsys.com

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

IQ MOTION-S



Note: For UL/CUL installations use this device only in conjunction with compatible Qolsys wireless alarm system IQ Panel 2.

PRODUCT FEATURES

- Advanced circuit technology resulting in ultra-low power consumption
- 40 lb. Pet immunity
- Tamper detection/reporting
- Rigid wall mounting for discreet placement
- Easy to install batteries
- Supervisory health messaging

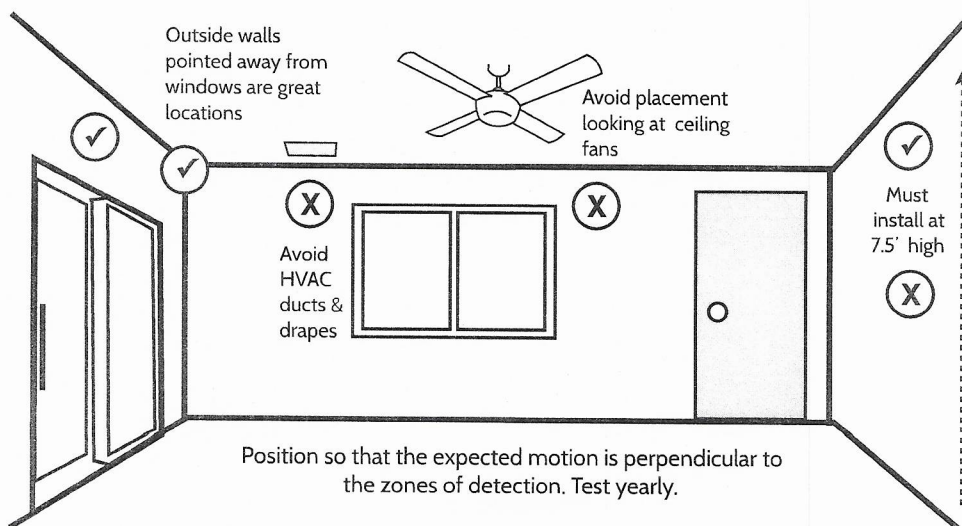
TECHNICAL SPECIFICATIONS

- Wireless signal range: 600 ft, open air
- Compatible control panels: Qolsys IQ Panel 2
- Code outputs: piring, tamper, tamper restore, alarm detect motion, alarm restore, supervisory, low battery
- Transmitter frequency: 319.5MHZ \pm 15KHz
- Transmitter bandwidth: 24KHZ
- Modulation type: ASK-OOK
- RF output power 91.1dBuV \pm 5% at 3m
- Sensor Range 30 ft x 40 ft
- Maximum Horizontal Sensing Angle 80°
- Sensor: 3.4H x 2.4W x 1.5D in.
- Replace batteries every 5 years with AAA Alkaline (x2). Detector intended for use with (2) Huizhou Deanda Battery Co. AAA LRO3.

STEP 1 CHOOSE INSTALLATION LOCATION

LOCATION MOUNTING GUIDELINES:

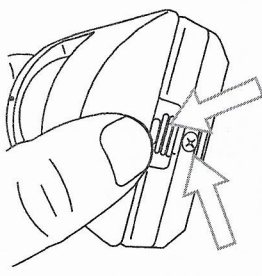
- The sensor should be permanently mounted in a corner or on a flat wall that is free of vibrations, at a height of 7.5 feet.
- Mount the sensor on an insulated exterior wall facing in.
- Position the sensor to protect an area where an intruder is most likely to walk across the detection pattern.
- Position the sensor so it faces a solid reference point, such as a wall.
- If possible, mount the sensor within 100 ft of the panel. While the transmitter may have a range of 600 ft or more out in the open, the environment at the installation site can have a significant effect on transmitter range. Verify actual transmitter range for each installation.
- Close all windows in an area with an armed motion sensor.



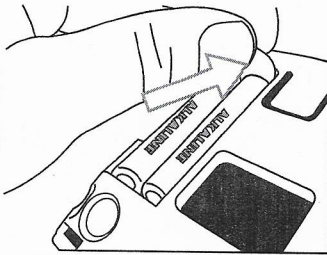
DO NOT:

- Aim the sensor at windows, fireplaces, air conditioners, area heaters, forced air heating vents or drapes.
- Place the sensor in direct sunlight as sudden changes in temperature may trigger a false alarm.
- Mount the sensor near duct work or other large metallic surfaces that may affect the RF signals.
- Set the sensor on a shelf.
- Mount outdoors or in a non-temperature controlled environment.
- Mount at any other height than 7.5 ft.

STEP 2 OPEN DEVICE CASING



STEP 3 REMOVE BATTERY TABS

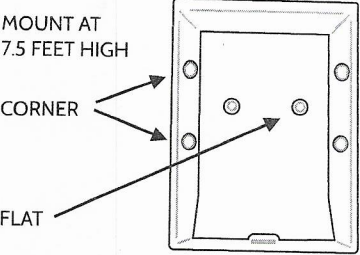


STEP 4 CHOOSE MOUNTING TYPE

MOUNT AT 7.5 FEET HIGH

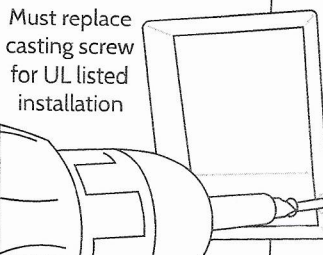
CORNER

FLAT




STEP 5 SECURE ALL HARDWARE


Must replace casting screw for UL listed installation



STEP 6 LEARN INTO PANEL




Place your panel in "Auto Learn" mode



Open and close the case to "tamper" the device

ADD

Customize name and settings as desired and touch "ADD"



MODES & BEHAVIORS

NORMAL MODE:

Normal mode defines the motion detector's behavior set in which it can detect motion. It is the default state of the sensor, given no motion has been detected. While in normal mode, a motion detector sensor can go into both sleep mode and walk test mode, as is described below.

During any given time in normal mode, the motion detector can transmit up to TWO active events. Once the first active event is sent, the motion detector has a 4 second timeout delay before a second active event can be transmitted. After the first active event is sent, a 5 minute timer starts; if a second active event is sent during this 5 minute period, the motion detector will go into sleep mode for the remainder of the 5 minute period. Once this 5 minute period times out, the motion detector returns to its normal behavior where it can transmit two active events.

During normal mode, a motion detector will send a supervisory heartbeat to the panel 70 minutes after the last event transmission. If the device has been idle for 70 minutes consecutively, it will send out a heartbeat supervisory transmission.

SLEEP MODE:

Sleep mode defines a limited period when the motion detector does not transmit any active or idle events to the panel in order to conserve battery life. The sleep mode timer last five minutes and starts once the first active event is sent. During this period, if a second active event is transmitted, the motion detector will go into sleep mode until the timer finishes counting down.

WALK TEST MODE:

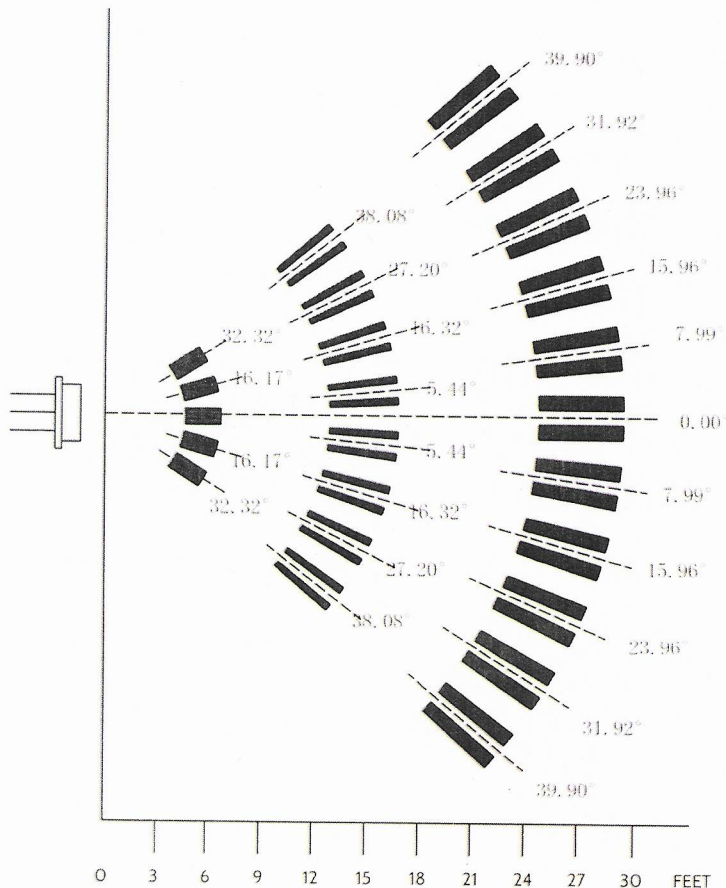
Walk test mode is activated by opening the motion detector back plate enough to release the tamper switch, then closing it again. During walk test mode the red LED on the front of the detector will light up every time motion is detected. Use this feature to test the coverage pattern of the protected area. The motion detector will remain in walk test mode until there is a period of one minute of inactivity, meaning that no motion is detected for one minute, at which time it will return to normal mode.

PET IMMUNITY:

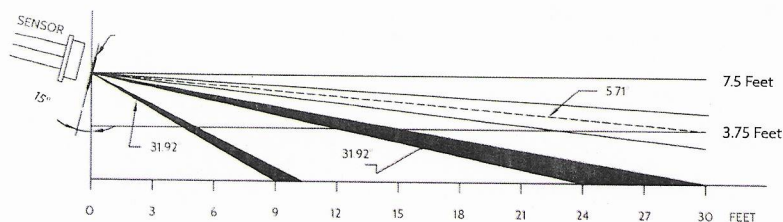
The IQ Motion Detector is pet immune up to 40 lbs when mounted at 7.5 feet high and angled downward. Pets must not be allowed to climb on objects such as furniture, shelves, boxes, etc. within the field of coverage (see detection pattern on page 3 of this manual). The detector should not be looking directly at stairs that would allow a pet to walk up them when the panel is armed.

DETECTION PATTERN

TOP VIEW:



SIDE VIEW:



BATTERY REPLACEMENT

AAA Alkaline (2 per sensor)

Battery life expectancy: 5 years. (Lifetime may vary depending on number of activations, environmental conditions, etc.)

To replace batteries:

- Push button on bottom of sensor and remove from backplate.
- Remove old batteries and replace with new ones.
- Re-install in reverse order.

ENVIRONMENTAL

Operating Temperature: 0°C-49°C

Relative Humidity: 93% Max

Storage Temperature: -40-80°C

CONNECTS
USING
S-LINE
SECURE
319.5 MHz

Document#: IQM-SIM-04-18
Revision#: 4/20/18
Issue Date: APR 2018
Qolsys Part #: QS1231-840



Equipment
BP21056

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FCC ID: 2AAJXQS1200
IC: 11205A-QS1200

GOT QUESTIONS?
CONTACT TECH SUPPORT
TechSupport@Qolsys.com

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Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

Federal Security
P. O. Box 833
Corvallis, OR 97339-0833

Proposal

Date of Proposal: 12/28/21

Proposal Number:

Customer Number: 2546

Premise Phone: 541 359-8768

The terms of this proposal are valid
for 30 days from the date shown above.

City Of Lowell
107 East 3rd Street
Attn: City Administrator Jeremy Caudle
Lowell, OR 97452

Federal Security

ADM/911 Federal Security (800) 765-2580

Hereby Submits Specification and Estimate for:

2546 City Of Lowell @ 107 East 3rd Street

<u>Quantity</u>	<u>Description</u>	<u>Amount</u>
12/26/21	Proposal for Hik Vision IP 4K Resolution Surveillance sys:	
1	Hik Vision 8 Channel IP Enterprise Server: \$775ea	775.00
1	Western Digital 8 Terabyte Surveillance Drive: \$365ea	365.00
3	Hik Vision 5MP outdoor IP Bullet Camera 2.8mm: \$237ea	711.00
1	Hik Vision Cloud Server Software/Phone App/Computer:	99.00
1	Cable/connectors/RG45s/Uplink/Sub Box/Server Cabinet:	390.00

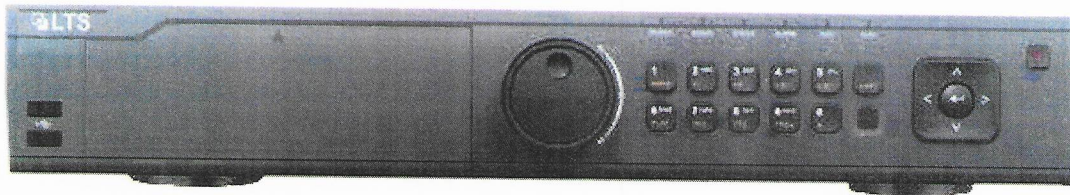
This system produces ultra high resolution images and
real time video playback in all lighting and weather
conditions presented.

*We are A+ Rated with the Better Business Bureau and
we would be proud to protect your facilities. Please call
me if you have any questions or concerns. Sincerely,
Jim Cates Operations Mgr Fedsecurity.com*

Complete in accordance with above specifications for: \$2,340.00

If you have any questions regarding this proposal please call us at (888)757-8153

Platinum Enterprise Level 16 Channel NVR 1.5U LTN8816K-P16

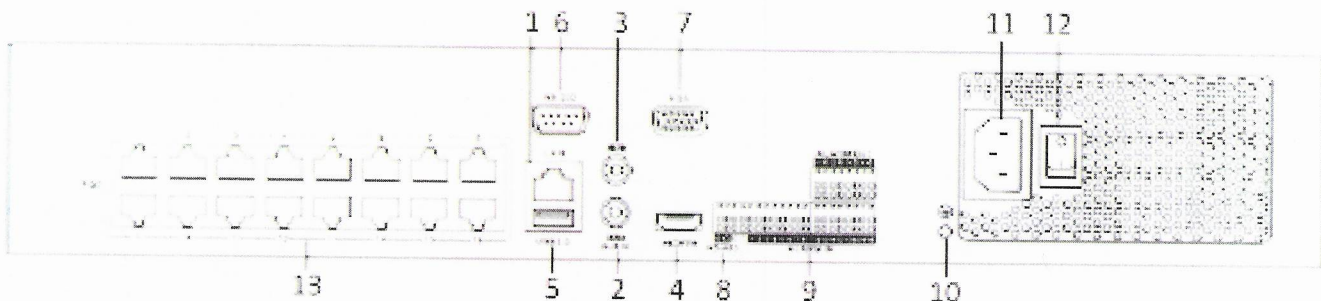


Key Features:

- Up to 16ch network cameras can be connected
- Support live view, storage, and playback of the connected camera at up to 8MP resolution
- HDMI Video output at up to 4K (3840 × 2160) resolution
- Up to 4 SATA hard disks can be connected with up to 6TB capacity for each
- Supports HDD quota and group modes

Rear Panel:

- | | |
|----------------------------|--|
| 1. LAN Network Interfaces | 7. VGA Interface |
| 2. Audio out | 8. RS-485 Serial Interface |
| 3. Audio in | 9. Alarm in/out |
| 4. HDMI Interface | 10. GND |
| 5. USB 3.0 Interface | 11. 100~240VAC Power Input |
| 6. RS-232 Serial Interface | 12. Power Switch |
| | 13. Network Interfaces with PoE function |

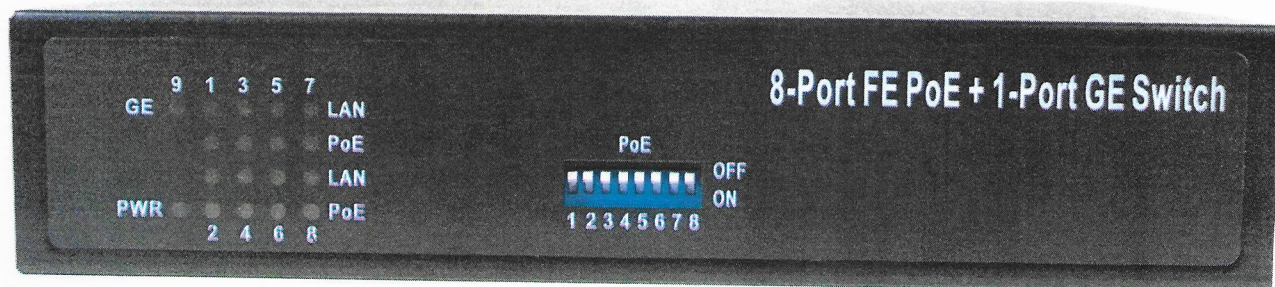


Platinum Enterprise Level 16 Channel NVR 1.5U

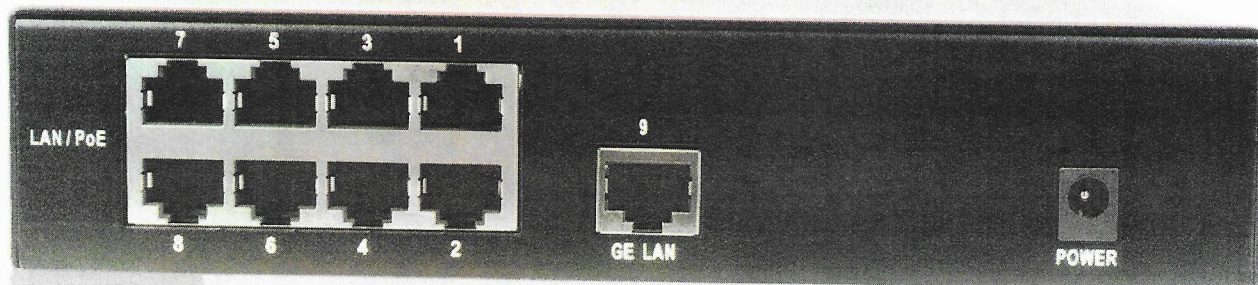
LTN8816K-P16

Video/Audio Input	
IP video Input	16-ch
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1kΩ)
Network	
Incoming bandwidth	160Mbps
Outgoing bandwidth	160Mbps
Remote connection	128
Video/Audio Output	
Recording resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
HDMI output	4K (3840 × 2160)/20Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
VGA output	1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio output	1-ch, RCA (Linear, 1kΩ)
Decoding	
Decoding format	H.265/H.264+/H.264/MPEG4
Recording resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	16-ch
Capability	2-ch @ 4K, or 8-ch @ 1080p
Hard Disk	
SATA	4 SATA interfaces for 4 HDDs
Capacity	Up to 6TB for each disk
External Interface	
Network Interface	1RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces
Serial interface	1 RS-485 (half-duplex), 1 RS-232, 1 keyboard(optional)
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm in/out	16/4
POE Interface	
POE Interface	16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces
Max. Power	≤ 200W
Supported standard	IEEE 802.3 af/at
GENERAL	
Power Supply	100~240V AC
Consumption	≤ 20 W
Working Temperature	14° F - 131° F (-10° C ~ +55° C)
Working Humidity	10% - 90%
Casing	19-inch rack-mounted 1.5U chassis
Dimensions (WxDxH)	17.5" × 15.3" × 2.8"(445 × 390 × 70mm)
Weight	≤ 11 lb (5 Kg)

FRONT



BACK



8 PoE Ports
1 Gigabit Uplink Port
10/100 Mbps Per Port
120W Max Power
IEEE 802.3at/af
2 Year Warranty
Auto Detection
Power Protection

Standards

IEEE 802.3 10BaseT
IEEE 802.3u 100BaseTX
IEEE 802.3z 1000BaseTX
IEEE 802.3x Flow Control
IEEE 802.3at/af

Number of Ports

8 PoE ports + 1 gigabit port

MAC Address

8k

Buffer Memory

512kb

Transmission Method

Store and Forward

Transmission Media

10 BaseT CAT 3,4,5 UTP/STP
100M BaseTx CAT 5 UTP/STP
1000M BaseTx CAT 5,6 UTP/STP

LED Indicators Per Port

Power
Port 1~8 LAN/ PoE
Port 9 : GbE LAN

Power Input

100~240V/AC, 50~60 Hz

Power Output

56V/2.2A

Power Consumption

Max 30W per port
120W Total

Dimensions H x W x D

188 × 118 × 38 mm (L x W x H)

Operating Temperature

32°F ~ 122°F (0 to 50°)

Humidity

10 ~ 90% RH (Non-Condensing)

POE-PTZPI60N 60W PoE Injector

Key Features

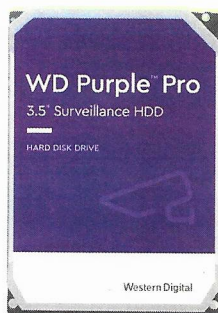
- RoHS compliant
- Compatible With All IEEE pre 802.3af, 802.3at and Legacy Powered Devices
- Input voltage:90Vac~264Vac
- Support 300Vac input for long time work
- Output over current protection
- Short circuit protection
- MTBF $\geq 1,000,000$ hrs
- Surge protection
- CE mark



Description

POE-PTZPI60 is designed to extract power from a conventional twisted pair Category 5 Ethernet cable, conforming to the IEEE 802.3at Power-over-Ethernet (PoE) standard.

The converter signature and control circuit provides the PoE compatibility signature and power classification required by the Power Sourcing Equipment (PSE) before applying up to 60W power to the port.



Product Highlights

- Engineered with advanced capabilities needed for high-end smart video solutions
- High performance, reliability and workload capability for advanced AI-enabled recorders, video analytics appliances, deep-learning servers and cloud-based storage, including RAID and JBOD configurations.
- Supports up to 550 TB/yr workload rate⁴.
- Designed with tarnish-resistant components for harsh environments, and with additional robustness for multi-bay enclosures

INTERFACE
SATA 6 Gb/s

FORM FACTOR
3.5-inch

RPM
7200 RPM

CAPACITIES³
8TB to 18TB

MODEL NUMBERS²
WD181PURP
WD141PURP
WD121PURP
WD101PURP
WD8001PURP

THE WESTERN DIGITAL ADVANTAGE

Western Digital puts our products through extensive Functional Integrity Testing (F.I.T.) prior to any product launch. This testing ensures our products consistently meet the highest quality and reliability standards of the Western Digital brand.

Western Digital also has a detailed Knowledge Base with more than 1,000 helpful articles as well as software and utilities. Our customer support lines have long operational hours to ensure you get the help you need when you need it. Our toll-free customer support lines are here to help, or you can access our Western Digital Support site for additional details.

Storage for advanced smart video solutions

WD Purple™ Pro drives are designed for new generations of high-end AI-enabled recorders, video analytics appliances, deep-learning servers and cloud solutions that can benefit from high-capacity storage with high performance and additional workload capability. WD Purple Pro drives feature AllFrame™ AI technology, which helps reduce frame loss, improve overall video playback, and not only enables recording of multiple streams per camera but also supports up to 32 AI streams per drive for deep learning analytics within the system. WD Purple Pro drives also feature enterprise-class performance, data integrity and drive reliability, especially in larger-scale systems and enclosures where operational vibration is present.

Empower your smart video solution.

Western Digital is a worldwide leader in the hard drive industry. With WD Purple™ Pro smart video storage, you have a drive engineered for high performance, durability and workload capability for advanced always-on AI-enabled smart video recorders, appliances, and servers. Efficiently and effectively extract value and insights from streamed and stored video, and help deliver a smarter world with advanced WD Purple Pro smart video storage.

Western Digital's exclusive AllFrame™ AI technology

All WD Purple™ Pro drives are equipped with AllFrame AI technology, which not only improves ATA streaming to help reduce frame loss and improve overall video playback, but supports up to 32 AI streams for Deep Learning analytics within the system.

Multiple Cameras, Multiple Streams

Modern recorders now support multiple video streams per camera. WD Purple™ Pro drives are optimized to support up to 64 HD single-stream cameras⁵, and can also support the latest smart cameras that transmit multiple streams. With this flexibility, you can upgrade or scale your security or smart video solution in the future.

Advanced workload capability for advanced systems

WD Purple™ Pro drives feature a workload rating up to 550TB/year⁶ to support the heavy video data capture and analysis found in advanced AI-enabled recorders, video analytics appliances, deep learning analytics servers and cloud-based storage. The combination of streaming optimizations and enhanced durability and reliability make WD Purple Pro smart video storage ideal for all analytics servers, whether processing video streamed directly from cameras or large-scale captured video data sets.

Designed for reliable operation in advanced high-performance smart video solutions

With an MTBF of up to 2.5 million hours¹ (12TB, 14TB and 18TB⁵), WD Purple™ Pro drives are engineered for advanced smart video solutions that operate 24/7. With tarnish-resistant components and full multi-bay support, WD Purple Pro drives deliver reliable operation in large scale surveillance systems even in harsh environments.

Field-proven high capacity

Now on its 6th generation, field-proven HelioSeal™ technology delivers trusted high-capacity WD Purple™ Pro hard drives (12TB, 14TB and 18TB⁵) for the massive storage needs of AI-driven smart video and deep learning analytics.

Proactive storage management with WDDA

Western Digital® Device Analytics™ (WDDA) provides a wealth of storage device parametric operational and diagnostic data compatible systems; algorithms interpret the data and direct the system to alert system administrators of specific recommended actions to address potential issues. WDDA is intended to empower OEMs, system integrators, and IT professionals to better monitor and proactively manage supported storage devices to maintain optimal operation.

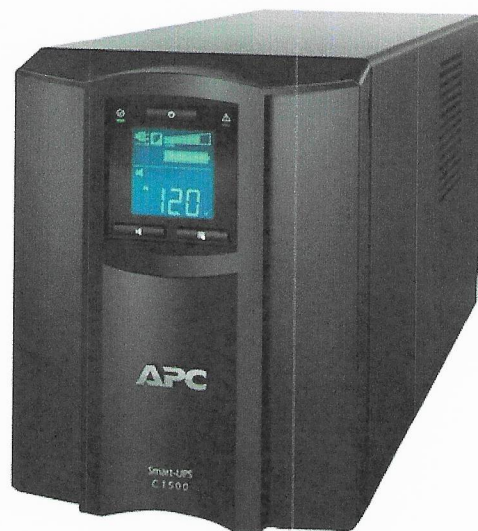


Image for article titled Five Best Battery Backups/UPS Units

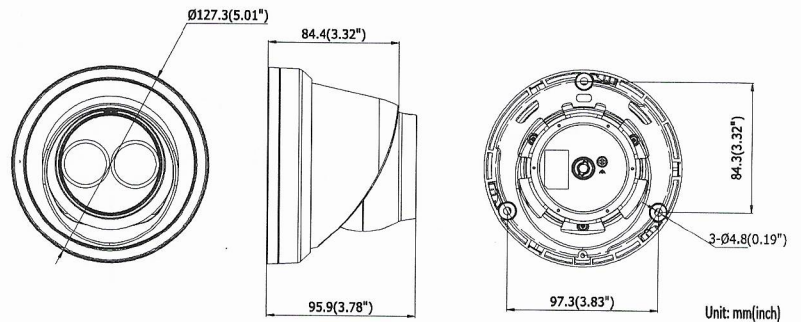
Platinum 8.3MP Network Matrix IR Turret Camera CMIP3382NW-28M



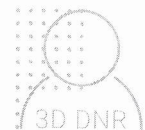
Key Features:

- 8.3MP High Definition
- True 120dB Wide Dynamic Range
- 3D DNR, BLC, Intelligent H.265+, H.265, H.264 Zip+, H.264
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- High performance Matrix IR LED
- IP67
- DC 12V/ PoE

Dimensions:



WDR
120dB



Platinum 8.3MP Network Matrix IR Turret Camera

CMIP3382NW-28M

CAMERA	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Lens	2.8 mm, horizontal FOV: 102° , vertical FOV: 53° , diagonal FOV: 124°
Lens Mount	M12
Day & Night	IR cut filter
DNR	3D DNR
Wide Dynamic Range	120dB
Angle Adjustment	Pan: 0° ~ 360° , Tilt: 0° ~ 75° , Rotation: 0° ~ 360°
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Main Profile/High Profile
H.264 Zip+	Main stream support
H.265 Type	Main Profile
H.265+	Main stream support
Video Bit Rate	32 Kbps ~ 16 Mbps
Image	
Max. Resolution	3840 × 2160
Main Stream	50Hz: 12.5 fps (3840 × 2160), 20fps (3072 × 1728), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 15 fps (3840 × 2160), 20fps (3072 × 1728), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR
Behavior Analysis	Line crossing detection, intrusion detection
Face Detecti	Yes
ROI	1 fixed region for main stream and sub-stream
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
Target Cropping	No
Day/Night Switch	Day/Night/Auto/Scheduled
Network	
Network Storage	Support microSD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP,PPPoE,NTP,UPnP™,SMTP,SNMP, IGMP,802.1X,QoS,IPv6, Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),ISAPI
General Function	One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter

Platinum 8.3MP Network Matrix IR Turret Camera

CMIP3382NW-28M

Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users, 3 levels: Administrator, Operator and User
Interface	
Video Output	No
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
SVC	H.264 and H.265 encoding
Reset Button	Yes
General	
Operating Conditions	-22 ° F ~ +140 ° F (-30 ° C ~ +60 ° C) Humidity 95% or less (non-condensing)
Power Supply	12 VDC \pm 25%, Φ 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.5A, max. 6W PoE (802.3af, 36V to 57V), 0.3A to 0.2A, max. 7.5W
IR Range	Up to 100ft(30m)
Protection Level	IP67
Dimensions	5.01" \times 3.78" (Φ 127.3 \times 95.9 mm)
Weight	1.4 lb. (620 g)

CMIP9763NW-SZ

6 MP IR Varifocal Bullet Network Camera



Key Features

- 1/2.9" Progressive Scan CMOS
- 3072 × 2048@20 fps
- 2.8 to 12 mm varifocal lens
- Color: 0.018 Lux @ (F1.6, AGC ON),
0 Lux with IR
- H.265+, H.265, H.264+, H.264
- 2 Behavior analyses
- 120dB WDR
- BLC/3D DNR/ROI/HLC
- IP67
- Built-in micro SD/SDHC/SDXC card slot,
up to 128 GB

Specifications

Camera

Image Sensor	1/2.9" Progressive Scan CMOS
Min. Illumination	Color: 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
3-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 355°

Lens

Focal Length	2.8 to 12 mm
Lens Type	Motorized
Aperture	F1.6
Focus	Auto
FOV	Horizontal field of view: 88° to 27° Vertical field of view: 56° to 18° Diagonal field of view: 110° to 33°
Lens Mount	Ø14

IR

IR Range	Up to 164ft(50 m)
Wavelength	850nm

Compression Standard

Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 16 Mbps

Smart Feature-set

Behavior Analysis	Line crossing detection, intrusion detection
Face Detection	Yes
Region of Interest	Support 1 fixed region for main stream and sub-stream

Image

Max. Resolution	3072 × 2048
Main Stream	50Hz: 20 fps (3072 × 2048, 3072 × 1728, 2944 × 1656), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3072 × 2048, 3072 × 1728, 2944 × 1656), 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)

Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR/HLC
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In

* Note: When the main stream resolution is 2944 × 1656 and above, max frame rate is 20 fps for all streams.

Network	
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
General Function	One-key reset, anti-flicker, three streams, heartbeat, password protection, privacy mask, watermark, IP address filter
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Web Browser	Plug-in required live view: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+

Interface	
Audio	1 input (line in), 1 output (line out), mono sound, terminal block
Alarm	1 input, 1 output (max. 12 VDC, 30 mA), terminal block
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Video Output	1Vp-p composite output (75 Ω) (For adjustment only)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
SVC	H.264 and H.265 encoding support
Reset Button	Yes

Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8kHz/16kHz/32kHz/44.1kHz/48kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)

General	
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, PoE (802.3at, class 4), Φ 5.5 mm coaxial power plug
Power Consumption and Current	12 VDC, 1.2A, max. 14.5W PoE (802.3at, 42.5V to 57V), 0.5A to 0.3A, max. 18W
Protection Level	IP67
Material	Metal
Dimensions	Φ 105.1 × 297.5 mm (Φ 4.1" × 11.7")
Weight	Camera: Approx. 1285 g (2.8 lb.) With Package: Approx. 1964 g (4.3 lb.)

CARBON™ SWING-OUT WALL MOUNT ENCLOSURE

CR12U51001



SPECIFICATIONS CONT.

PHYSICAL - CONT.

Cable Access Opening Dimensions (mm)	250 x 56
Max. Mounting Depth (in)	18.2
Max. Mounting Depth (mm)	462
Min. Mounting Depth (in)	1.9
Min. Mounting Depth (mm)	47
Dimensions (WxHxD in.)	23.6 x 25.1 x 23.6
Dimensions (WxHxD mm)	600 x 637 x 600
Net Weight (lbs)	60.2
Net Weight (kg)	27.3
Shipping Dimensions - WxHxD (in)	26.18 x 27.8 x 26.18
Shipping Dimensions - WxHxD (mm)	665 x 705 x 665
Shipping Weight (lbs)	67.7
Shipping Weight (kg)	30.7

SPECIAL FEATURES

Numbered Rack Units	Yes
Rolling Casters	Optional
Removable Door and Side Panels	Yes
Reversible Front Door	Yes
Lockable Door and Side Panels	Yes, keyed alike
Ventilation	Perforated Door and Side Panels with Ventilated Top and Bottom
Cable Access	Top and Bottom Openings
PE Grounding Point	Yes

ENVIRONMENTAL

Protection Class	IP20
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CERTIFICATIONS

Certifications	CE, RoHS
Approvals	DIN41491, DIN41494, EIA/ECA-310-E, IEC 60297-3-100

WARRANTY

Product Warranty	5 Years Limited
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Jeremy Caudle

From: Ryan @ Security Monster <ryan@securitymonster.com>
Sent: Monday, June 27, 2022 4:52 PM
To: Jeremy Caudle
Subject: Re: MFA for Logins
Attachments: Ava Bullet datasheet.pdf; XR150 Spec Sheet.pdf

Jeremy,

Yes, here are a couple of things:

DMP (Digital Monitoring Products) Security System:

- www.dmp.com
- Spec Sheet Attached
- US Based Company
- Overview Video of Virtual Keypad App: https://www.youtube.com/watch?v=PCI_Omm7RyY

Ava Surveillance (a Motorola Company)

- www.avasecurity.com
- Spec Sheet Attached (For Bullet Style Camera, you have a few different flavors but they are all similar)
- US Based Company
- Overview Video: <https://www.youtube.com/watch?v=OyAsfBgrfq0>
- Smart Search Video: <https://www.youtube.com/watch?v=6ke0-yq1T6Y>
- NDAA Compliant
- More info on Federal quality: <https://www.avasecurity.com/video/industries/federal-government>

Let me know if there is anything else you need, I appreciate you asking!

Thank You,

Ryan Anderson
Chief Technology Officer



Direct [\(541\) 790-2818](tel:5417902818)
Office [\(541\) 342-8111](tel:5413428111)
www.SecurityMonster.com

For Support, Please Contact help@securitymonster.com

On Mon, Jun 27, 2022 at 4:36 PM Jeremy Caudle <JCaudle@ci.lowell.or.us> wrote:

Ryan:



Serving Eugene, Salem, and the Central Oregon Coast
Toll Free 1(877) 342-8112
SecurityMonster.com

City of Lowell
70 North Pioneer Street
Lowell, OR 97452
Attn: Andrew Smith ::

City Hall Surveillance

Security Head End

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	XR150 Control Panel	DMP XR150 Security Control Panel, Supports up to 142 Inputs, 10 On-Board Zones, 8 Keypads and up to 10,000 User Codes, Up to 8 Areas to Arm/Disarm Independently	\$375.00	\$375.00
1.00	Wireless High Power Receiver	Wireless High Power Receiver for Increased Amplification for Improved Performance at Greater Distance or Harsh Building Environments	\$155.00	\$155.00
1.00	Digital Cellular Communicator	LTE Cellular Communicator Provides Wireless Communication, Enables use of Mobile Platform to Arm/Disarm, Check Status, Turn Outputs On/Off, Z-Wave Control, Etc (Mobile Access Requires Subscription)	\$249.00	\$249.00
1.00	12V 9AH Backup Battery	12V, 9AH Sealed Lead Acid Backup Battery to Supply Backup Power in Event of A/C Power Loss	\$42.00	\$42.00

Front Entry

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Touchscreen Keypad	Graphic 5" Touchscreen Keypad with Proximity Reader and 4 Expansion Zones, Interactive Display for Quick Arming/Disarming along with Carousel Menu for Shortcut Features, White in Color	\$249.00	\$249.00
1.00	Wireless Universal Transmitter	Wireless Universal Transmitter with On-Board Terminal Block for External Contact	\$59.00	\$59.00
1.00	Dual Loop 3/4" Door Sensor	3/4" Recessed Door Sensor with Dual Close Loops, Stubby Design with 12" Wire Leads	\$15.00	\$15.00

Front Lobby

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Wireless Motion Detector	Wireless Passive Infrared Motion Detector with up to 60lb Pet Immunity and Coverage up to 50 Feet, Disarm/Disable Feature for Battery Savings	\$89.00	\$89.00

West Door

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Wireless Universal Transmitter	Wireless Universal Transmitter with On-Board Terminal Block for External Contact	\$59.00	\$59.00
1.00	Dual Loop 3/4" Door Sensor	3/4" Recessed Door Sensor with Dual Close Loops, Stubby Design with 12" Wire Leads	\$15.00	\$15.00

City Admin

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Wireless Motion Detector	Wireless Passive Infrared Motion Detector with up to 60lb Pet Immunity and Coverage up to 50 Feet, Disarm/Disable Feature for Battery Savings	\$89.00	\$89.00

Conference Room

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Wireless Motion Detector	Wireless Passive Infrared Motion Detector with up to 60lb Pet Immunity and Coverage up to 50 Feet, Disarm/Disable Feature for Battery Savings	\$89.00	\$89.00

Library

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Wireless Motion Detector	Wireless Passive Infrared Motion Detector with up to 60lb Pet Immunity and Coverage up to 50 Feet, Disarm/Disable Feature for Battery Savings	\$89.00	\$89.00
1.00	Wireless Interior Siren	Wireless interior Siren with up to 110 Decibels of Annunciation	\$69.00	\$69.00

North Library

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Wireless Glassbreak Detector	Wireless Acoustic Glassbreak Detector for Detection of Shattering, Breaking or Cracking of Glass	\$89.00	\$89.00

North Door

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Wireless Universal Transmitter	Wireless Universal Transmitter with On-Board Terminal Block for External Contact	\$59.00	\$59.00
1.00	Dual Loop 3/4" Door Sensor	3/4" Recessed Door Sensor with Dual Close Loops, Stubby Design with 12" Wire Leads	\$15.00	\$15.00

Staff Area

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Wireless Motion Detector	Wireless Passive Infrared Motion Detector with up to 60lb Pet Immunity and Coverage up to 50 Feet, Disarm/Disable Feature for Battery Savings	\$89.00	\$89.00

South Library

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Wireless Glassbreak Detector	Wireless Acoustic Glassbreak Detector for Detection of Shattering, Breaking or Cracking of Glass	\$89.00	\$89.00

South Entry

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Touchscreen Keypad	Graphic 5" Touchscreen Keypad with Proximity Reader and 4 Expansion Zones, Interactive Display for Quick Arming/Disarming along with Carousel Menu for Shortcut Features, White in Color	\$249.00	\$249.00
1.00	Wireless Universal Transmitter	Wireless Universal Transmitter with On-Board Terminal Block for External Contact	\$59.00	\$59.00
1.00	Dual Loop 3/4" Door Sensor	3/4" Recessed Door Sensor with Dual Close Loops, Stubby Design with 12" Wire Leads	\$15.00	\$15.00

SW Exterior Coverage

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	5MP Indoor/Outdoor Dome	Indoor/Outdoor 5 Megapixel Dome Camera with Infrared, 30 Day Storage, No Recorder Required, 45-100 Degree Adjustable Field of View Lens *Requires Annual License, see SM Rep about Multi Year Discounts	\$999.00	\$999.00

West Exterior Coverage

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	5MP Bullet Cloud Camera	Outdoor 5 Megapixel Bullet Camera with Infrared, 30 Day Local Storage at Camera, No Recorder Required, 40 to 100 Degree Field of View Lens, Free 30 Day Cloud Storage Backup *Camera Requires Annual License, see SM Rep about Multi Year Discounts	\$1,399.00	\$1,399.00

Lobby

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	5MP Compact Indoor Dome	Indoor 5 Megapixel Dome Camera with Infrared, 30 Day Storage, No Recorder Required, 103 Degree Field of View Lens *Requires Annual License, see SM Rep about Multi Year Discounts	\$599.00	\$599.00
1.00	Drop Tile Ceiling Mount	Drop Tile Ceiling Mount for Compact Dome	\$15.00	\$15.00

SW Library

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	5MP Compact Indoor Dome	Indoor 5 Megapixel Dome Camera with Infrared, 30 Day Storage, No Recorder Required, 103 Degree Field of View Lens *Requires Annual License, see SM Rep about Multi Year Discounts	\$599.00	\$599.00
1.00	Drop Tile Ceiling Mount	Drop Tile Ceiling Mount for Compact Dome	\$15.00	\$15.00

NE Library

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	5MP Compact Indoor Dome	Indoor 5 Megapixel Dome Camera with Infrared, 30 Day Storage, No Recorder Required, 103 Degree Field of View Lens *Requires Annual License, see SM Rep about Multi Year Discounts	\$599.00	\$599.00
1.00	Drop Tile Ceiling Mount	Drop Tile Ceiling Mount for Compact Dome	\$15.00	\$15.00

North Exterior

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	5MP Bullet Cloud Camera	Outdoor 5 Megapixel Bullet Camera with Infrared, 30 Day Local Storage at Camera, No Recorder Required, 40 to 100 Degree Field of View Lens, Free 30 Day Cloud Storage Backup *Camera Requires Annual License, see SM Rep about Multi Year Discounts	\$1,399.00	\$1,399.00

East Exterior

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	5MP Bullet Cloud Camera	Outdoor 5 Megapixel Bullet Camera with Infrared, 30 Day Local Storage at Camera, No Recorder Required, 40 to 100 Degree Field of View Lens, Free 30 Day Cloud Storage Backup *Camera Requires Annual License, see SM Rep about Multi Year Discounts	\$1,399.00	\$1,399.00

SE Exterior

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	5MP Indoor/Outdoor Dome	Indoor/Outdoor 5 Megapixel Dome Camera with Infrared, 30 Day Storage, No Recorder Required, 45-100 Degree Adjustable Field of View Lens *Requires Annual License, see SM Rep about Multi Year Discounts	\$999.00	\$999.00
1.00	Pendant Mounting Cap	Pendant Mounting Cap for Dome Cameras	\$50.00	\$50.00
1.00	Wall Mount	Wall Mount Arm for Dome Cameras	\$75.00	\$75.00

Annual Software License

QTY	Item	DESCRIPTION	PRICE	EXTENDED
8.00	Ava Aware License - 1 Year	Ava Aware Cloud Video Security License for 1 Year. One (1) License Required per Camera	\$199.00	\$1,592.00
1.00	Ava Access Control Integration - 1 Year	Ava Aware Cloud Video Security License for Access Control Integration	\$499.50	\$499.50

Installation

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Warning Signs & Decals	Security Monster Protection Warning Signs & Decals	\$0.00	\$0.00
1.00	Full Permit	Full Permit for Above Mentioned Proposal	\$135.00	\$135.00
1.00	Professional Installation	Labor to Install, Program, Test, and Train	\$6,288.60	\$6,288.60

Monthly Monitoring Fee's

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Security Monster Services	Services provided by Security Monster	\$44.95	\$44.95

Optional Monthly Service Agreement

QTY	Item	DESCRIPTION	PRICE	EXTENDED
1.00	Security Monster Services	Services provided by Security Monster	\$159.00	\$159.00

Total System Cost: \$18,984.10

Thank you for the opportunity to submit this proposal!

Proposal Prepared By: Ryan Anderson

City of Lowell (Representative)

Date



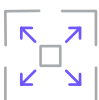
AVA BULLET



Available in wide and tele lenses
for flexible coverage



Simple to install with innovative sliding
body design and easy onboarding



Dynamic resolution up to 4K



Built-in AI video and audio analytics
and on-device storage



Factory-installed certificates backed
by a trusted platform module (TPM)



Designed and developed in Norway
and the UK

Image sensor

8MP (4K) or 5MP

Image sensor size format

1/1.8"

Lens (wide)

Focal length: 4.3-10.8mm

Aperture: $f/1.38$ - $f/2.8$

Zoom

Lens (tele)

Focal length: 11-28mm

Aperture: $f/1.47$ - $f/1.69$

Zoom

Zoom

2.5x

IR night vision

Automatic night mode

IR-cut filter

850 nm IR LED

Color night vision*

*To be confirmed

Field of view (wide)

100°-40° Horizontal

53°-23° Vertical

Field of view (tele)

39°-16° Horizontal

23°-9° Vertical

Maximum resolution & Frame rate 8MP (4K)

3840x2160@30fps

Maximum resolution & Frame rate 5MP

3072x1728@30fps

Dynamic range

Multi-exposure line-based HDR

Audio

Microphone array (4x microphones)

Audio classification

Audio localization

Security

Trusted Platform Module (TPM 2.0), Factory installed certificates, No default passwords, Mandatory access authentication, HTTPS/TLS encryption

Video compression

H.265, H.264, Motion JPEG

Network protocols

IPv4, HTTPS, TLS, DNS, mDNS, DNS-SD,

NTP, RTSP, RTP, RTCP, ICMP, DHCP, ARP

Streaming: RTP/UDP, RTP/RTSP/HTTPS/TCP

Power source

PoE+ (802.3at Type 2), normal operation

PoE (802.3 af), without heat and IR

USB-C, installation only

Power consumption

Typical: 5 W

Max without heater, with IR: 12.95 W

Max with heater: 23 W

Storage

2x MicroSD, SDXC UHS-I

Connection

802.3u 10/100 Ethernet

USB-C for preview and setup

Installation aid

Versatile bracket, mounts to standard back boxes. Refer to technical drawing.

Adjustment range

Pan, Tilt, Roll

Impact resistance

IK10 (IEC/EN 62262)

Ingress protection

IP66, IP67 (IEC/EN 60529)

Temperature

Operating: -25°C to +50°C

Storage: -40°C to +60°C

Physical characteristics

Dimensions: 284x86x108mm

Weight: 1.33 kg

Body: Aluminum

EMC

EN55032, EN 61000-6-4, EN 61000-3-2, EN

61000-3-3, EN50130-4 CISPR 32, AS/NZS

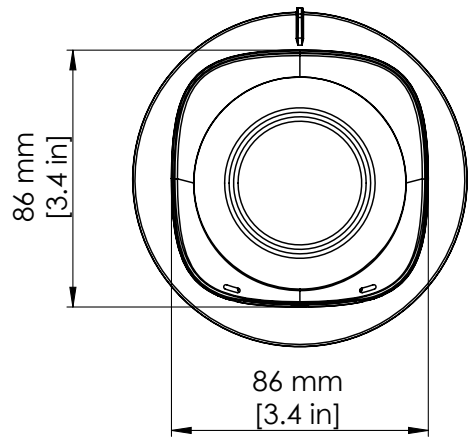
CISPR 32, FCC subpart 15B, ICES-003 Issue 7

Safety

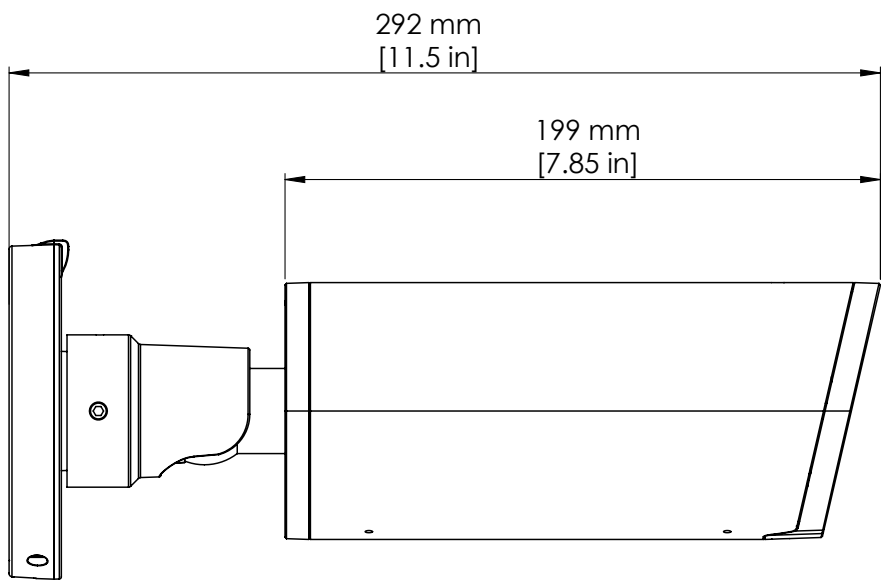
IEC62368-1, UL62368-1, IEC62471, NOM-019

Technical drawings

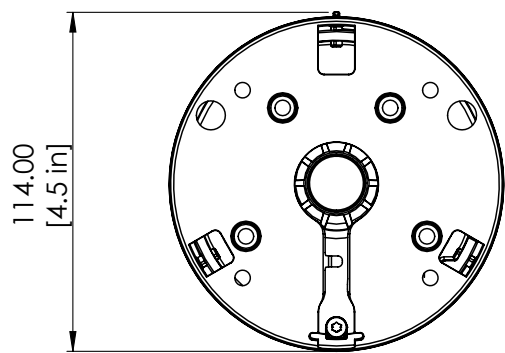
Front view



Side view



Rear view



Ordering information

Ava Bullet Tele

Product ID	Resolution	Onboard retention	Color
BULLET-TE-W	4K	No. Cloud Connector required	White
BULLET-TE-W-4K-30	4K	30 days	White
BULLET-TE-W-4K-60	4K	60 days	White
BULLET-TE-W-5MP	5MP	No. Cloud Connector required	White
BULLET-TE-W-5MP-30	5MP	30 days	White
BULLET-TE-W-5MP-60	5MP	60 days	White
BULLET-TE-W-5MP-120	5MP	120 days	White
BULLET-TE-B	4K	No. Cloud Connector required	Black
BULLET-TE-B-4K-30	4K	30 days	Black
BULLET-TE-B-4K-60	4K	60 days	Black
BULLET-TE-B-5MP	5MP	No. Cloud Connector required	Black
BULLET-TE-B-5MP-30	5MP	30 days	Black
BULLET-TE-B-5MP-60	5MP	60 days	Black
BULLET-TE-B-5MP-120	5MP	120 days	Black

Ordering information

Ava Bullet Wide

Product ID	Resolution	Onboard retention	Color
BULLET-WI-W	4K	No. Cloud Connector required	White
BULLET-WI-W-4K-30	4K	30 days	White
BULLET-WI-W-4K-60	4K	60 days	White
BULLET-WI-W-5MP	5MP	No. Cloud Connector required	White
BULLET-WI-W-5MP-30	5MP	30 days	White
BULLET-WI-W-5MP-60	5MP	60 days	White
BULLET-WI-W-5MP-120	5MP	120 days	White
BULLET-WI-B	4K	No. Cloud Connector required	Black
BULLET-WI-B-4K-30	4K	30 days	Black
BULLET-WI-B-4K-60	4K	60 days	Black
BULLET-WI-B-5MP	5MP	No. Cloud Connector required	Black
BULLET-WI-B-5MP-30	5MP	30 days	Black
BULLET-WI-B-5MP-60	5MP	60 days	Black
BULLET-WI-B-5MP-120	5MP	120 days	Black



XR150 Control Panel



FEATURES

- ▶ Onboard 10/100 network communication
- ▶ Plug-in LTE cellular communicators allow for Virtual Keypad™ app and monitoring center connection
- ▶ Flash updatable — locally or remotely over cell or network
- ▶ Adaptive Technology™ — Cost-effective supervised cellular backup
- ▶ Up to 100 DMP 1100 Series™ wireless or wired LX-Bus™
- ▶ Up to 99 schedules for areas, doors, outputs, holidays, Z-Wave® Favorites and profiles

- ▶ Select Area, All/Perimeter or Home/Sleep/Away operation
- ▶ Eight individual reporting areas with common areas
- ▶ Up to eight supervised door access points and/or keypads, seven of which can be wireless
- ▶ 32-character names available for user, zone, area, profiles and group names
- ▶ Up to four profiles per user
- ▶ Fully supervised 10/100 network and LTE cellular communication
- ▶ Communications diagnostics check network and cellular communication status from the keypad
- ▶ Eight communication paths between the panel and monitoring center
- ▶ Flexible system arming features with Instant Arming option
- ▶ Lockdown operation from keypad or app
- ▶ Up to 130 two-wire smoke detector or fire-initiating zones
- ▶ 10,000 user codes with 99 profiles
- ▶ Mobile platform support via Virtual Keypad app
- ▶ 12,000 event buffer
- ▶ Multi-lingual menus available by user
- ▶ 1.5 amp 12 VDC smoke and auxiliary output with OVC protection
- ▶ EASYconnect™ connection for the Virtual Keypad app when used with a network connection
- ▶ Add access control capabilities with DMP's 1134 wireless device or any 734 Series™ module



FLEXIBLE COMMUNICATION

The XR150 has transitioned from dialer-focused communications to a true network, cellular and Wi-Fi communications approach by providing stronger, multi-layered panel communications that ensure a constant link between the panel and monitoring center.

The unique DMP Serial 3 format supports 32-character user, zone and area names to decrease the time and limit dependence on automation literal tables for message interpretation. Contact ID dialer format is also supported.

NETWORK OR CELLULAR COMMUNICATION

Built-in 10/100 auto-sensing Ethernet connection enhances both standard and encrypted line security options. Both UDP and TCP are supported. The network option can be used as the primary or backup path to the digital dialer or cellular option.

The 263 Series™ cellular communicators can be used as the primary path, providing installation flexibility where no landlines are available. They can be used as a stand-alone communicator without the need for a backup. When used as the backup path, the 263 Series provides the security of a communication link that continues to function, even when landlines are cut or compromised. This interface works over a variety of carriers in the USA and Canada.

ADAPTIVE TECHNOLOGY

If a current primary communication path becomes unavailable, Adaptive Technology directs the panel to make a seamless transition from one communication path to another, ensuring that no check-in or supervision messages are missed. This allows a system to be fully supervised when the primary communication path is unavailable, while minimizing expensive cell traffic when all paths are good. The panel is constantly checking the failed path to enable the panel to revert back to the primary path when communication is restored.

EASYconnect TECHNOLOGY

EASYconnect™ enables the control panel to establish an outbound connection to SecureCom Wireless™ over the network. This allows for an effortless installation of network panels, without any customer router programming, providing extremely quick app connection times.

EIGHT COMMUNICATIONS PATHS

Create, configure and manage up to eight communication paths between the panel and monitoring center. Each path has its own panel communication programming parameters and can be identified as either primary or backup. This enables installers to configure a reliable communication link, offering greater confidence that the panel will always be connected.

ACCESS CONTROL BURGLARY INTEGRATION

The XR150 is an integrated burglary, fire and access control system that can be configured for users to gain access and disarm the area with a single card read.

AREAS

Program up to eight areas with a variety of options, including independent arming. Each area has a unique name and may have its own account number.

Common areas automatically arm when the last independent area is armed and disarm when the first independent area is disarmed. This is ideal for lobbies or areas where users need common access to specific areas only.

COMMUNICATION FUNCTION DIAGNOSTICS

The enhanced diagnostic menu enables technicians to check network and cellular communication status and cell signal strength from the keypad.

WIRELESS ONE-BUTTON KEYFOB WITH PROX

The 1144-IP is a wearable and portable panic button fob, programmable to function in multiple locations with alerts for lost fobs, late to test and low battery power.

MOBILE PLATFORMS

DMP mobile platforms provide you with the tools you need to build strong connections with your customers. The Virtual Keypad app puts a keypad on users' smartphones and other Android and iOS devices.

FALSE ALARM FEATURES

Providing a way to reduce false alarms, both Cancel/Verify™ and the False Alarm Question prompt users to validate whether an alarm has occurred after entering their code. In a Home/Sleep/Away or All/Perimeter system, the user can either press Cancel/Verify or Yes/No to confirm alarm status and send it to the monitoring center.

DMP WIRELESS

DMP 1100 Series wireless communication employs 900 MHz frequency-hopping spread-spectrum to ensure clear and accurate signal transmissions without interference in practically any environment. Receivers are alerted of transmitters that go missing with two-way communication. Each wireless transmitter communicates with the receiver using supervision messages.

WIRELESS ENCRYPTION

DMP's 1100 Series E models are for customers who want to add the hardest layer of security. In addition to 900 MHz frequency-hopping spread-spectrum supervised communication, these models also offer full support for 128-bit AES (Advanced Encryption Standard) over the air. For added security, DMP 1100 Series encrypted devices also allow you to enter your own passphrase for unique key generation, providing full encryption end to end.

The encryption models are offered separately from existing 1100 Series devices. For the highest level of encryption, it is recommended that all devices on the system be E models, although each of the products are fully backward compatible with systems that do not support encryption, so they can be added to existing systems or operate as a stand-alone system.

1100 SERIES ENCRYPTED

- ▶ 1100XE Wireless Receiver
- ▶ 1100XHE Wireless High Power Receiver
- ▶ 1100RE Wireless Repeater
- ▶ 1101E Universal Transmitter
- ▶ 1103E Commercial Universal Transmitter
- ▶ 1106E Universal Transmitter
- ▶ 1135E Wireless Siren
- ▶ 1142E Wireless Two-Button Hold Up Transmitter
- ▶ 1144E Wireless Key Fobs

LOCKDOWN

For emergency situations, a Lockdown command can be issued from the keypad menu or via remote command to lock all doors designated as public.

TEMPORARY CODES

Temporary codes are user codes that can be entered with a finite date and specific time to expire.

ZONE EXPANSION

The XR150 provides up to 142 zones, programmable for burglary, fire and access applications.

- ▶ 10 Onboard Zones
- ▶ Eight Keypads = 32 Zones
- ▶ One Built-in LX Bus (100 zones)

SIMPLE ZONE EXPANSION WITH THE 1154/1158 WIRELESS INPUT MODULES

When a DMP panel is installed in the same location as a non-DMP panel, the 1154 can easily and quickly convert up to four existing hardwired zones from the old panel into wireless zones, and the 1158 can convert up to eight. Existing wiring does not have to be re-run, and existing contacts can be reused with the new system.

ONE-MAN WALK TEST

A special code is also available for installers to test the system. The One-Man Walk Test allows a single technician to check the panel response to burglary, fire, panic and supervisory zones.

OUTPUTS

The XR150 provides up to 106 outputs that can be activated by zone or system events, by schedule, through the User Menu or when a card is presented. Output Groups allow multiple outputs to activate with a single event and/or can be assigned to a particular user profile.

REAL-TIME STATUS ENHANCES THIRD-PARTY INTEGRATION

Alarm systems are increasingly being integrated with environmental control and home automation systems. With real-time status information from zones, doors and other outputs, XR150 Series panels are readily integrated with these third-party control and automation systems. See DMP.com/Integration_Partners.

MULTIPLE LANGUAGE DISPLAY OPTION

XR150 Series systems may be programmed to display the User Menu and Status Display text in multiple languages.

FLEXIBILITY IN SCHEDULES

Enhanced scheduling for areas, doors, outputs and holiday schedules offer flexibility for your customers. Ninety-nine programmable schedules are available and can be assigned to an area, door or output. The same schedule may be assigned to more than one area, door or output, making them reusable. A List key facilitates browsing through the list of stored names on the keypad.

- ▶ Up to 8 schedules per profile
- ▶ Up to 8 schedules per door
- ▶ Up to 8 schedules per area
- ▶ Up to 8 schedules per output
- ▶ Up to 40 holiday dates

Z-WAVE® SUPPORT

Add up to 140 Z-Wave devices with the 738Zplus module for mobile control of lights, locks and thermostats. Up to 20 Favorites allow users to program multiple devices to respond to a single command or panel event like arming and disarming. Z-Wave devices can be controlled with the 7800/9800 Series™ Graphic Touchscreen Keypad and Virtual Keypad.

CUSTOM ACTIONS

In addition to controlling lights, locks and thermostats, users can also take advantage of several customizable actions that can be programmed into the panel. Users can select a combined sequence of actions, all based on specific Favorites, lights and locks to activate or deactivate Z-Wave devices, Favorites or outputs during specific times and days or specific zone trips.

EIGHT INDEPENDENT ACCESS CONTROL DOORS

Any access control reader with an OSDP or Wiegand output can be connected to the XR150 Series panel. Attached card reader controls up to eight different doors.

The XR150 system can restrict access by schedule, arming level or other criteria. The specific reason for access denial can be displayed on the keypad, stored in events, sent to the monitoring center and DMP Advanced Reporting. Anti-passback feature is also available.

COMMERCIAL FIRE

The DMP XR150 is also approved for commercial fire applications. Integrate intrusion, access and fire into a single application or use the XR150FC as a stand-alone commercial fire alarm control panel. See LT-1317 for more information.

ZONE AUDIT DAYS

This is a valuable auditing tool to determine whether a zone or device has not been tripped within a certain number of days. Whether the system is armed or disarmed, up to 365 days can elapse without the zone being tripped. Each time the zone is tripped, the counter restarts. After the countdown expires, a fault message is sent, and the timer begins the countdown again as per the programmed days.

SUPPORT FOR WIRELESS DOOR CONTROL

The 1134 Wireless Access Control Module allows customers to take advantage of access control capabilities in hard-to-wire locations, such as a gate or warehouse entrance. This eliminates the need for costly wire runs or trenching and provides the ease and flexibility to add access control in nearly any environment. In addition to Wiegand readers, 1134 modules support OSDP readers, making them among the most secure access control modules available. For customers who want to add an even hardened layer of security, DMP's 1100 Series E models include all wireless devices and receivers with full support of 128-bit encryption capabilities.

PROGRAMMABLE EOL OPTIONS

You have the flexibility to change the EOL Value from 1k to 2.2k for panel zones 1 – 9. This is easily configured in System Options and allows you to use an XT panel to take over systems with 2.2k without having to pull contacts and change the EOL resistors. While saving you time, it also reduces the cost of takeovers.

1100T WIRELESS TRANSLATOR

The 1100T is the industry's only wireless translator listed and approved for life safety. Plus, it makes it easy to take over DSC, Interlogix, Honeywell 5800 and 2 GIG Series systems, all without replacing existing transmitters and sensors. To accommodate the maximum number of supported sensors on the XR150, one 1100T can learn in 99 zones. It communicates to a DMP panel using the panel's built-in wireless receiver. This eliminates wiring and allows you to place the translator anywhere regardless of where the control panel is. With this one device, you can upgrade customers' systems to DMP quality, with software management tools, as well as online and app convenience and functionality without increasing installation costs.

COMPATIBILITY REFERENCE SHEET

Keypads

630F	LCD Remote Fire Command
7000	Series Thinline Keypads
7000A	Series Aqualite Keypads
7100	Thinline Series Keypad
7463	Network Thinline Keypad
7800	Graphic Touchscreen Keypads
9060	Wireless Keypad
9063	Wireless Keypad w/ Prox Reader
9862	Wireless Touchscreen Keypads

Expansion Modules

708	Bus Extender
710	Bus Splitter/Repeater
711	Single Zone Expansion
711S	Zone Expansion Module
712-8	Eight-Zone Expansion
714	Four-Zone Class B Expansion
714-8	Eight-Zone Class B Expansion
714-16	16-Zone Class B Expansion
715	Four-Zone Two-Wire Smoke Expansion
715-8	Eight-Zone Two-Wire Smoke Expansion
715-16	16-Zone Two-Wire Smoke Expansion
716	Output Expansion, four Form C relays, four open collector outputs
736P	Radionics Interface
738A	Ademco Interface Module
738I	ITI Interface Module

Cellular Communicators

263LTE-V/381-2	LTE Communicator, Verizon
263LTE-A/381-2	LTE Communicator, AT&T

Auxiliary Modules

860	Relay Output Module
865	Style W/X Notification Circuit Module
866	Style W Notification Circuit Module
867	LX-Bus Notification Circuit Module
869	Style D Initiating Circuit Module
893A	Dual Phone Line Module

Power Supplies

505-12/LX	5 Amps @ 12 VDC
505-12L	5 Amps @ 12 VDC
505-12A	5 Amps @ 12 VDC

Smoke/Heat Detectors

2W-BLX	Conventional Smoke
2WT-BLX	Conventional Smoke/Heat

Intrusion Devices

Virtually any other standard intrusion detectors

Access Control

352M	Access Control Enclosure, Eight modules
352PM	Access Control Enclosure, Eight modules
734	Access Control Module
734N	Network Access Control Module
734N-POE	Network Access Control Module
1134	Wireless Access Control Module

OP-08CB	REX Motion Detector
	Proximity Readers and Credentials
	DMP ProxPatch

Monitoring Center Receivers

SCS-1R	Security Control Receiver
SCS-10S	Single-Line DMP Serial 3 Receiver compatible with receivers that accept Standard CID, DD or DMP Serial 3 messaging (Virtual Receiver)
SCS-VR	Software-only solution that runs on a server for network IP and cellular communications

DMP Wireless

1100X	Receiver
1100XH	High Power Receiver
1100R	Repeater
1100T	Translator
1101	Universal Transmitter, Internal and External Contacts
1102	Universal Transmitter, External Contact
1103	Universal Transmitter, External Contact
1106	Universal Transmitter, Internal and External Contact
1107	Micro Window Transmitter
1108	Wireless Doorbell Module
1114	Four-Zone Expander
1115	Temperature Sensor and Flood Detector
1116	Relay Output
1117	LED Annunciator
1118	Remote Indicator Light
1119	Door Sounder
1122	PIR
1126R	360 Ceiling Mount PIR
1127C	Wall Mount Curtain PIR
1127W	Wall Mount Wide Angle PIR
1128	Glassbreak Detector
1131	Recessed Contact
1134	Access Control Module
1135	Siren, 100 dB
1136	Remote Chime
1137	LED Emergency Light
1139	Bill Trap
1141	Wall Button
1142	Two-Button Hold-up Transmitter
1142BC	Two-Button Belt Clip Hold-up Transmitter
1144-4	Four-Button Key Fob
1144-2	Two-Button Key Fob
1144-1	One-Button Key Fob
1144-2P	Two-Button Key Fob with Prox Patch
1144-1P	One-Button Key Fob with Prox Patch
1144-D	Dual-Button Key Fob
1148	Personal Pendant
1154	Four-Zone Input Module
1158	Eight-Zone Input Module

1164	Smoke Detector with Synchronized Sounder
1164NS	Smoke Detector with No Sounder
1166	Smoke Detector Ring
1168	Smoke/CO/Low Temp Detector
1183-135F	Heat Detector (Fixed)
1183-135R	Heat Detector (Rate of Rise)
1184	Carbon Monoxide Detector

Encrypted Wireless Models

1100XE	Receiver
1100XHE	High Power Receiver
1100RE	Repeater
1101E	Universal Transmitter
1103E	Commercial Universal Transmitter
1106E	Universal Transmitter
1135E	Siren
1142E	Two-Button Hold Up Transmitter
1144E	Key Fobs

Accessories

270	Network Transient Suppressor
277	Commercial Fire Buzzer Module
300	Four-Wire Harness
303	Silence/Reset Push-Button
305	Plug-In Output Relay
306	Tamper Harness
307-S	Screw-On Tamper Switch
3012	Clip-On Tamper Switch
335	Intrusion Siren
370	Lightning Suppressor
374	Surge Voltage Suppressor
431	Output Harness
738Z+	Z-Wave Interface Module
861	Power Distribution Module

Enclosures

Materials	Cold-rolled steel
Model 350 (Gray or Red)	17.5" W × 13.5" H × 3.5" D
Model 350A (Gray)	17.5" W × 13.5" H × 3.75" D
Model 352X (Gray)	14.5" W × 32" H × 4" D
Model 352P (Gray)	14.5" W × 32" H × 4" D
Model 341 (Gray)	12.75" W × 6.55" H × 3.15" D

Dealer Management

Dealer Admin
Remote Link™ Programming Software

End User Management

Virtual Keypad
VirtualKeypad.com
System Link™ End-User Management Software
Entré™ Access Control Software

System Specifications

Primary Power (included):

16.5 VAC 50 VA transformer

Secondary Power:

12 VDC Battery

Models: 365, 366, 368 or 369

Output Rating:

Bell	1.5 Amps at 12 VDC
Smoke and Auxiliary	1.5 Amps at 12 VDC

Current Draw:

174 mA

Ordering Information

XR150DL-G	Dialer Panel
XR150DL-R	Dialer Panel
XR150DPCB	Dialer Panel, PCB only
XR150DNL-G	Dialer Panel, with network
XR150DNL-GCAN	Dialer Panel, with network, Canada
XR150DNL-GZ	Dialer Panel, No transformer, with network
XR150DNL-R	Dialer Panel, with network
XR150DNPCB	Dialer Panel, PCB only, with network
XR150DNPCBZ	Dialer Panel, PCB only, with network, no transformer
XR150DNPCBZ-CAN	Dialer Panel, with network, PCB only, no transformer, Canada
XR150NL-G	Network Panel
XR150NL-GZ	Network Panel, no transformer
XR150NPCB	Network Panel, PCB only
XR150L-G	Panel in large gray enclosure, no communication
XR150DNL-GCAN	Dialer Panel, with network, Canada

Certifications

California State Fire Marshal (CSFM)

New York FDNY

FCC Part 68

FCC Part 15

Underwriters Laboratories (UL) Listed

UL Bank, Safe, and Vault

UL Commercial Fire

UL Standard Line Security

UL Encrypted Line Security

NIST Validated Certificate #2350 and #2595

Underwriters Laboratories Canada (ULC) Listed

For additional information, go to DMP.com/Compliance.

800-641-4282 | DMP.com

2500 N. Partnership Blvd, Springfield, MO 65803

Designed, engineered & manufactured in Springfield, MO using U.S. & global components

LIMITED WARRANTY: DMP warrants that the products manufactured by DMP and described herein shall be free from defects of manufacture, labeling, and packaging for a period of three (3) years from the invoice date to the original Buyer, provided that representative samples of the defective products are returned to DMP for inspection...To read the full DMP Limited Warranty, go to DMP.com/Warranty or check the DMP Price List or Catalog.



Lowell Public Library

Lowell Public Library - Security Trio

06/28/2022

Proposal No: 21245

Prepared By:

Erik Harm

REECE Complete Security Solutions

6755 SW Sandburg St, Portland, OR 97223

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SCOPE OF WORK

The following Proposal is for Materials and Labor to be Provided and Installed by REECE Complete Security Solutions:

Due to supply chain and part availability issues the pricing contained within this proposal is valid for 30 days from date of proposal. After 30 days pricing may need to be updated.

REECE remains committed to continuing to provide you with the best products and solutions, as you have come to expect from us. As you are aware, ongoing global disruption in the component supply and transportations sector continues to cause shortages of parts, increases in costs and delivery delays. REECE will continue to do our best to ensure timely delivery of parts and completion of projects however there may be unforeseen delays and/or product substitutions due to lack of availability of parts.

Access Control System:

- Card Reader Access Control Doors, to include:
 - CR-01 Double Leaf Main Entrance Door: Signo Reader, (2) Door Position Switch, Terminate to Electrified Door Hardware with Internal REX Device; Cable to Public Counter Panel Location
 - CR-02 Single Leaf Lobby Library Entrance Door: Signo Reader, Door Position Switch, Terminate to Electrified Door Hardware with Internal REX Device; Cable to Public Counter Panel Location
 - CR-03 Single Leaf Exterior Library Entrance Door: Signo Reader, Door Position Switch, Terminate to Electrified Door Hardware with Internal REX Device; Cable to Public Counter Panel Location
- Access Control Panel Equipment, to include:
 - (1) S2 M1 Node Controller
 - (2) S2 Access Control Application Blade
 - Altronix Trove2 Power Supply
- Access Control Server and Software, to include:
 - (1) S2 Rack-Mount Netbox Extreme Controller
- Includes Initial Configuration, Programming and Commissioning

Video Surveillance System:

- Exterior Cameras:
 - Cam-01: 8MP (2MP x Sensor) Multi Directional Camera to be corner mounted; Viewing Southeast corner of Library
 - Cam-02: 8MP (2MP x Sensor) Multi Directional Camera to be corner mounted; Viewing East end of Library
 - Cam-03: 8MP (2MP x Sensor) Multi Directional Camera to be corner mounted; Viewing Northwest corner of Library
 - Includes Network Cable to Each New Camera to be Terminated to Patch Panel in IT Rack
- Interior Cameras:
 - Cam-04: 2MP Vandal Resistant IR Fixed Dome Camera to be ceiling mounted; Viewing Main Entrance
 - Cam-05: 2MP Vandal Resistant IR Fixed Dome Camera to be ceiling mounted; Viewing Library Aisle
 - Cam-06: 2MP Vandal Resistant IR Fixed Dome Camera to be ceiling mounted; Viewing Library Aisle
 - Cam-07: 2MP Vandal Resistant IR Fixed Dome Camera to be ceiling mounted; Viewing Library Aisle
 - Cam-08: 6MP Fisheye Camera to be ceiling mounted; Viewing Kid's Area

- Cam-09: 4MP (2MP x Sensor) Dual Lens Fixed Dome Camera to be ceiling mounted; Viewing Auxiliary Entrance's
- Cam-10: 2MP Vandal Resistant IR Fixed Dome Camera to be ceiling mounted; Viewing Service Desk
- Includes Network Cable to Each New Camera to be Terminated to Patch Panel in IT Rack
- Video Management Servers & Software:
 - (1) S2 VRx 1500 Rack-Mount Video Management System
 - (3) S2 4TB Storage Hard Drives
 - (1) Raid5 Configuration for VMS
 - (1) S2 Magic Monitor Professional License
 - (10) S2 VRx IP Channel License
- (1) Transition 16-Port PoE+ 10/100/1000 Network Switch
- Includes Initial Configuration, Programming and Commissioning

Intrusion Detection System:

- Motion Detectors:
 - MD-01: 360-Degree Ceiling Mounted in Main Lobby
 - MD-02: 360-Degree Ceiling Mounted in City Clerk Work Area
 - MD-03: 360-Degree Ceiling Mounted in City Admin Office
 - MD-04: 360-Degree Ceiling Mounted in Large Conference Room
 - MD-05: 360-Degree Ceiling Mounted in West Library
 - MD-06: 360-Degree Ceiling Mounted in East Library
- Door Contacts:
 - DC-01: Door contact to monitor North Library Exit Door
- Arm/Disarm Keypad:
 - KP-01: To be mounted inside Main Entrance Vestibule
 - KP-02: To be mounted inside Lobby Library Entrance Door
 - KP-03: To be mounted inside Exterior Library Entrance Door
- Intrusion Panel Equipment:
 - Bosch B9512G Intrusion Controller
 - Includes Enclosure and Battery Backup
- Includes System-Related Cable as Required
- Includes Initial Configuration, Programming and Commissioning

Overall Project Notes:

- Excludes all 120V power required.
- REECE will provide and install all low voltage cables for the video system.
- REECE will provide Project Management (PM), on-site coordination, and Bluebeam drawings depicting device locations.
- REECE has included two (2) hours of staff training time for basic user training.
- Training will be train the trainers and will not consist of training every user. This proposal assumes all training will take place during normal business hours.
- REECE will configure, test, and inspect the system.
- REECE will adjust the camera to the views agreed upon between the customer and the REECE Technician. The customer will approve the final views with the technician at the end of the install.

Proposal Pricing Based On: Customer Request

This proposal contains proprietary and confidential information of REECE Complete Security Solutions and shall not be used, disclosed or reproduced in whole or in part for any other purpose other than to evaluate this proposal without prior written consent of REECE Complete Security Solutions. Title in and to this document and all information contained herein remains at all times with REECE Complete Security Solutions.

PART NUMBER	MFG	DESCRIPTION	QTY	UNIT PRICE	EXT. PRICE
ACS					
Other					
CONSUMABLES	REECE	As Required but not limited to: EMT, EMT Connectors, Ferrels, Sealtight, Sealtight Connectors, Tape,	1.00	\$307.98	\$307.98
LABOR		DEVICE - Labor	2.00	\$110.00	\$220.00
Other SUBTOTAL:					\$527.98
Panels~ACP-01					
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24
S2-ACM	S2	LENELS2 ACCESS CONTROL APPLICATION BLADE. Access control application extension blade with support fo	2.00	\$762.30	\$1,524.60
LABOR		DEVICE - Labor	4.00	\$110.00	\$440.00
S2-M1	Lenel	M1-3200 NODE BLADE	1.00	\$1,189.22	\$1,189.22
LABOR		DEVICE - Labor	4.00	\$110.00	\$440.00
S2-INST-NP	S2	NETWORK NODE INSTALLATION KIT Installation kit for Network Node when not using a standard enclosure.	1.00	\$324.94	\$324.94
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
Trove2SS2	Altronix	Access & Power Integration enclosure for combinations of S2 controllers with Altronix Power Supply/C	1.00	\$639.07	\$639.07
LABOR		DEVICE - Labor	2.00	\$110.00	\$220.00
ACMS8CB	Altronix	Altronix ACMS8CB dual input design allows power to be steered from two (2) independent low voltage 1	1.00	\$149.27	\$149.27
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
BL4	Altronix	Battery lead, 8", 18AWG, jumper, yellow	1.00	\$2.46	\$2.46
BL3	Altronix	Battery lead, 8", 18AWG, pair, red and black	1.00	\$3.08	\$3.08
WM25	Altronix	Magnetic Cable Tie Mount; Pack of 25	1.00	\$88.66	\$88.66
PD8ULCB	Altronix	Power Distribution Unit, PD8 w/ Circuit Breakers Instead Of Fuses, UL Recognized	1.00	\$31.86	\$31.86
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
AL1024ULXB2	Altronix	Sub-Assembly Power Supply/Charger Converts 115VAC, 60Hz Input Into A Single 24VDC Non Power-Limited	1.00	\$257.16	\$257.16
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
AL1012ULXB	Altronix	Sub-Assembly Power Supply/Charger Converts A 115VAC, 60Hz Input Into A Single 12VDC Non Power-Limited	1.00	\$222.04	\$222.04
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
RSB2	Altronix	Two Rocker Switch Bracket	1.00	\$40.58	\$40.58
Panels~ACP-01 SUBTOTAL:					\$6,132.19
Reader Doors~CR-01 DL					
40-K-05	HID	Accessory, Wall Spacer, Signo 40/40K Reader, 0.5 Inch Spacer, Black	1.00	\$17.57	\$17.57
N1178CB/STDD	Nascom	BROWN RECESSED 3/4" STUBBY DPDT SWITCH/MAGNET SET FOR STEEL/WOOD DOORS, WIRE LEADS	2.00	\$18.99	\$37.98
LABOR		DEVICE - Labor	2.00	\$110.00	\$220.00
DOOR CABLE	REECE	Cable from J-Box to Door Devices	1.00	\$77.00	\$77.00
LABOR		DEVICE - Labor	4.00	\$110.00	\$440.00
6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	3.00	\$3.68	\$11.04
LABOR		DEVICE - Labor	0.75	\$110.00	\$82.50
40NKS-00-000000	HID	Reader, Signo 40, Single Gang, Standard Profile, Pigtail	1.00	\$250.99	\$250.99
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00

LOCK TERMINATION	REECE	Terminate to electrified lock, installed by others or existing. Termination will be made at the fram	1.00	\$38.50	\$38.50
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
Reader Doors~CR-01 DL SUBTOTAL:					\$1,615.58
Reader Doors~CR-02 SL					
40-K-05	HID	Accessory, Wall Spacer, Signo 40/40K Reader, 0.5 Inch Spacer, Black	1.00	\$17.57	\$17.57
N1178CB/STDD	Nascom	BROWN RECESSED 3/4" STUBBY DPDT SWITCH/MAGNET SET FOR STEEL/WOOD DOORS, WIRE LEADS	1.00	\$18.99	\$18.99
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
DOOR CABLE	REECE	Cable from J-Box to Door Devices	1.00	\$77.00	\$77.00
LABOR		DEVICE - Labor	4.00	\$110.00	\$440.00
6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	2.00	\$3.68	\$7.36
LABOR		DEVICE - Labor	0.50	\$110.00	\$55.00
40NKS-00-000000	HID	Reader, Signo 40, Single Gang, Standard Profile, Pigtail	1.00	\$250.99	\$250.99
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
LOCK TERMINATION	REECE	Terminate to electrified lock, installed by others or existing. Termination will be made at the fram	1.00	\$38.50	\$38.50
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
Reader Doors~CR-02 SL SUBTOTAL:					\$1,455.41
Reader Doors~CR-03 SL					
40-K-05	HID	Accessory, Wall Spacer, Signo 40/40K Reader, 0.5 Inch Spacer, Black	1.00	\$17.57	\$17.57
N1178CB/STDD	Nascom	BROWN RECESSED 3/4" STUBBY DPDT SWITCH/MAGNET SET FOR STEEL/WOOD DOORS, WIRE LEADS	1.00	\$18.99	\$18.99
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
DOOR CABLE	REECE	Cable from J-Box to Door Devices	1.00	\$77.00	\$77.00
LABOR		DEVICE - Labor	4.00	\$110.00	\$440.00
6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	2.00	\$3.68	\$7.36
LABOR		DEVICE - Labor	0.50	\$110.00	\$55.00
40NKS-00-000000	HID	Reader, Signo 40, Single Gang, Standard Profile, Pigtail	1.00	\$250.99	\$250.99
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
LOCK TERMINATION	REECE	Terminate to electrified lock, installed by others or existing. Termination will be made at the fram	1.00	\$38.50	\$38.50
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
Reader Doors~CR-03 SL SUBTOTAL:					\$1,455.41
Server					
S2-EXT-16-RM	S2	S2 NETBOX EXTREME CONTROLLER (16 PORTAL LICENSE, RACK MOUNT). Rack mount enclosure with 16 portal li	1.00	\$3,052.28	\$3,052.28
LABOR		DEVICE - Labor	2.00	\$110.00	\$220.00
Server SUBTOTAL:					\$3,272.28
ACS SUBTOTAL:					\$14,458.84
Cable					
OTHER ITEMS					
2202-CMP	Windy City Wire	4443640RC - 22-02 UNS STR CMP Org Jkt BR..	1000.00	\$0.14	\$135.80
2204-CMP	Windy City Wire	4443840RC - 22-04 UNS STR CMP Org Jkt....	1000.00	\$0.20	\$200.00

LABOR		CABLE - Labor	40.00	\$110.00	\$4,400.00
ACS-S-OSDP-ORANGE	Windy City Wire	OSDP/22-04/22-04/18-02..	1000.00	\$2.80	\$2,800.00
CAT6-CMP	Windy City Wire	5566040RC- 23-4P UNS SOL CMP C6 Org Jkt....	1000.00	\$0.46	\$460.00
CABLE SUBTOTAL:					\$7,995.80

IDS**Door Contacts~DC-01**

N1178CB/STDD	Nascom	BROWN RECESSED 3/4" STUBBY DPDT SWITCH/MAGNET SET FOR STEEL/WOOD DOORS, WIRE LEADS	1.00	\$18.99	\$18.99
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	1.00	\$3.68	\$3.68
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Door Contacts~DC-01 SUBTOTAL:					\$160.17

Keypads~KP-01

B920	Bosch	2 LINE ALPHA NUMERIC KEYPAD (SD12)	1.00	\$134.21	\$134.21
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
B96	Bosch	TRIM PLATE FOR B SERIES KEYPADS	1.00	\$10.70	\$10.70
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Keypads~KP-01 SUBTOTAL:					\$282.41

Keypads~KP-02

B920	Bosch	2 LINE ALPHA NUMERIC KEYPAD (SD12)	1.00	\$134.21	\$134.21
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
B96	Bosch	TRIM PLATE FOR B SERIES KEYPADS	1.00	\$10.70	\$10.70
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Keypads~KP-02 SUBTOTAL:					\$282.41

Keypads~KP-03

B920	Bosch	2 LINE ALPHA NUMERIC KEYPAD (SD12)	1.00	\$134.21	\$134.21
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
B96	Bosch	TRIM PLATE FOR B SERIES KEYPADS	1.00	\$10.70	\$10.70
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Keypads~KP-03 SUBTOTAL:					\$282.41

Motion Detectors~MD-01

DS9370	Bosch	70' Diameter 360 Ceiling Mount TriTech Motion Detector	1.00	\$118.86	\$118.86
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	1.00	\$3.68	\$3.68
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Motion Detectors~MD-01 SUBTOTAL:					\$260.04

Motion Detectors~MD-02

DS9370	Bosch	70' Diameter 360 Ceiling Mount TriTech Motion Detector	1.00	\$118.86	\$118.86
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00

6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	1.00	\$3.68	\$3.68
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Motion Detectors~MD-02 SUBTOTAL:					\$260.04
Motion Detectors~MD-03					
DS9370	Bosch	70' Diameter 360 Ceiling Mount TriTech Motion Detector	1.00	\$118.86	\$118.86
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	1.00	\$3.68	\$3.68
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Motion Detectors~MD-03 SUBTOTAL:					\$260.04
Motion Detectors~MD-04					
DS9370	Bosch	70' Diameter 360 Ceiling Mount TriTech Motion Detector	1.00	\$118.86	\$118.86
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	1.00	\$3.68	\$3.68
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Motion Detectors~MD-04 SUBTOTAL:					\$260.04
Motion Detectors~MD-05					
DS9370	Bosch	70' Diameter 360 Ceiling Mount TriTech Motion Detector	1.00	\$118.86	\$118.86
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	1.00	\$3.68	\$3.68
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Motion Detectors~MD-05 SUBTOTAL:					\$260.04
Motion Detectors~MD-06					
DS9370	Bosch	70' Diameter 360 Ceiling Mount TriTech Motion Detector	1.00	\$118.86	\$118.86
LABOR		DEVICE - Labor	1.00	\$110.00	\$110.00
6644-1	GRI	PACK, RESISTOR 2-1K 1/8 WATT, 2 BL & BLK LEADS FOR 1% TOLER PRINT CE ON CASE *Priced As Eaches/Sold	1.00	\$3.68	\$3.68
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
Motion Detectors~MD-06 SUBTOTAL:					\$260.04
Other					
CONSUMABLES	REECE	As Required but not limited to: EMT, EMT Connectors, Ferrels, Sealtight, Sealtight Connectors, Tape,	1.00	\$307.98	\$307.98
LABOR		DEVICE - Labor	2.00	\$110.00	\$220.00
Other SUBTOTAL:					\$527.98
Panel-IDP-01					
IM-1270	Ultratech	12V 7AH Battery	1.00	\$41.56	\$41.56
LABOR		DEVICE - Labor	0.25	\$110.00	\$27.50
B9512G-C	Bosch	KIT (B9512G, B8103, D1640, D101)	1.00	\$740.59	\$740.59
LABOR		DEVICE - Labor	4.00	\$110.00	\$440.00
Panel-IDP-01 SUBTOTAL:					\$1,249.65
IDS SUBTOTAL:					\$4,345.26

VSS**Exterior Cameras~CAM-01 8MP OMNI CM**

PNM-9084QZ1	Hanwha	8MP (2MP x 4) Multi-Sensor, Multi-Directional PTRZ Camera	1.00	\$1,524.48	\$1,524.48
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24
SBP-300KMW1	Hanwha	Corner Mount Adapter (White)	1.00	\$57.18	\$57.18
SBP-276HMW	Hanwha	White Cap adaptor for the PNM-9084QZ (Will fit the following accessories: SBP-300WMW1, SBP-390WMW1,	1.00	\$54.29	\$54.29
SBP-390WMW2	Hanwha	White Wall Mount Accessory, 2x knock out built-in	1.00	\$155.62	\$155.62

Exterior Cameras~CAM-01 8MP OMNI CM SUBTOTAL:**\$2,130.81****Exterior Cameras~CAM-02 8MP OMNI CM**

PNM-9084QZ1	Hanwha	8MP (2MP x 4) Multi-Sensor, Multi-Directional PTRZ Camera	1.00	\$1,524.48	\$1,524.48
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24
SBP-300KMW1	Hanwha	Corner Mount Adapter (White)	1.00	\$57.18	\$57.18
SBP-276HMW	Hanwha	White Cap adaptor for the PNM-9084QZ (Will fit the following accessories: SBP-300WMW1, SBP-390WMW1,	1.00	\$54.29	\$54.29
SBP-390WMW2	Hanwha	White Wall Mount Accessory, 2x knock out built-in	1.00	\$155.62	\$155.62

Exterior Cameras~CAM-02 8MP OMNI CM SUBTOTAL:**\$2,130.81****Exterior Cameras~CAM-03 8MP OMNI CM**

PNM-9084QZ1	Hanwha	8MP (2MP x 4) Multi-Sensor, Multi-Directional PTRZ Camera	1.00	\$1,524.48	\$1,524.48
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24
SBP-300KMW1	Hanwha	Corner Mount Adapter (White)	1.00	\$57.18	\$57.18
SBP-276HMW	Hanwha	White Cap adaptor for the PNM-9084QZ (Will fit the following accessories: SBP-300WMW1, SBP-390WMW1,	1.00	\$54.29	\$54.29
SBP-390WMW2	Hanwha	White Wall Mount Accessory, 2x knock out built-in	1.00	\$155.62	\$155.62

Exterior Cameras~CAM-03 8MP OMNI CM SUBTOTAL:**\$2,130.81****Interior Cameras~CAM-04 2MP FD CLG**

XND-6081RV	Hanwha	2MP Vandal-Resistant Indoor IR Network Dome Camera	1.00	\$868.56	\$868.56
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24

Interior Cameras~CAM-04 2MP FD CLG SUBTOTAL:**\$1,207.80****Interior Cameras~CAM-05 2MP FD CLG**

XND-6081RV	Hanwha	2MP Vandal-Resistant Indoor IR Network Dome Camera	1.00	\$868.56	\$868.56
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24

Interior Cameras~CAM-05 2MP FD CLG SUBTOTAL:**\$1,207.80****Interior Cameras~CAM-06 2MP FD CLG**

XND-6081RV	Hanwha	2MP Vandal-Resistant Indoor IR Network Dome Camera	1.00	\$868.56	\$868.56
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24

Interior Cameras~CAM-06 2MP FD CLG SUBTOTAL:**\$1,207.80**

Interior Cameras--CAM-07 2MP FD CLG

XND-6081RV	Hanwha	2MP Vandal-Resistant Indoor IR Network Dome Camera	1.00	\$868.56	\$868.56
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24

Interior Cameras--CAM-07 2MP FD CLG SUBTOTAL:**\$1,207.80****Interior Cameras--CAM-08 8MP PANO CLG**

PNM-9031RV	Hanwha	15MP Multi-Sensor Dome; 180 Panoramic; IR; Outdoor; Vandal	1.00	\$1,954.26	\$1,954.26
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	2.00	\$9.24	\$18.48

Interior Cameras--CAM-08 8MP PANO CLG SUBTOTAL:**\$2,302.74****Interior Cameras--CAM-09 4MP DUO CLG**

SLA-2M2802D	Hanwha	2.8mm Lens for PNM-7002VD	2.00	\$61.52	\$123.05
PNM-7002VD	Hanwha	4MP (2MP x 2 Sensor) Dual Lens Fixed Dome Camera	1.00	\$796.18	\$796.18
LABOR		DEVICE - Labor	4.00	\$110.00	\$440.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24

Interior Cameras--CAM-09 4MP DUO CLG SUBTOTAL:**\$1,368.47****Interior Cameras--CAM-10 2MP FD CLG**

XND-6081RV	Hanwha	2MP Vandal-Resistant Indoor IR Network Dome Camera	1.00	\$868.56	\$868.56
LABOR		DEVICE - Labor	3.00	\$110.00	\$330.00
PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24

Interior Cameras--CAM-10 2MP FD CLG SUBTOTAL:**\$1,207.80****Other**

S2-MM-PRO	S2	S2 MAGIC MONITOR PROFESSIONAL LICENSE. Expands capabilities of S2 Magic Monitor Standard to include	1.00	\$412.72	\$412.72
S2-VRX-1C	S2	Single VRx IP Camera License	10.00	\$158.62	\$1,586.20
CONSUMABLES	REECE	As Required but not limited to: EMT, EMT Connectors, Ferrels, Sealtight, Sealtight Connectors, Tape,	1.00	\$307.98	\$307.98
LABOR		DEVICE - Labor	2.00	\$110.00	\$220.00

Other SUBTOTAL:**\$2,526.90****Panel**

PATCH CORD CAT6	REECE	CAT6 Patch Cord	1.00	\$9.24	\$9.24
SM16TAT2SA	Transition Networks	PoE+ Switch, (16) 10/100/1000Base-T Ports + (2) 100/1000 SFP Slots	1.00	\$785.32	\$785.32
LABOR		DEVICE - Labor	2.00	\$110.00	\$220.00
69270-U24	Leviton	Cat 6 QuickPort Patch Panel, 24-Port, 1RU. Cable management bar included.	1.00	\$416.05	\$416.05
LABOR		DEVICE - Labor	2.00	\$110.00	\$220.00

Panel SUBTOTAL:**\$1,650.61****Server**

S2-4TB-HDD-G2	S2	4TB STORAGE HARD DRIVE Increases storage for VRx 1000 / 2000 Series and NetVR 100 / 700 Series in	3.00	\$657.53	\$1,972.59
S2-VR-RAID5	S2	RAID 5 CONFIGURATION FOR VIDEO MANAGEMENT SERVER Requires minimum of 3 hard drives	1.00	\$0.00	\$0.00
S2-VRX1500-G2	S2	S2 VRx 1500 VIDEO MANAGEMENT SYSTEM: 1U Rack Mount IP Video Server	1.00	\$9,373.27	\$9,373.27

LABOR	DEVICE - Labor	8.00	\$110.00	\$880.00
Server SUBTOTAL:				\$12,225.86
VSS SUBTOTAL:				\$32,506.01

OTHER ITEMS

Overall Project Labor

LABOR	CUSTTRAINING - Labor	2.00	\$100.00	\$200.00
LABOR	DESIGN - Labor	12.00	\$105.00	\$1,260.00
LABOR	DRAFT/DOC - Labor	12.00	\$105.00	\$1,260.00
LABOR	PROGRAM - Labor	24.00	\$165.00	\$3,960.00
LABOR	PROJMGMT - Labor	30.00	\$135.00	\$4,050.00
LABOR	TESTING - Labor	16.00	\$110.00	\$1,760.00
LABOR	TRAVEL - Labor	16.00	\$70.00	\$1,120.00
Overall Project Labor SUBTOTAL:				\$13,610.00

Overall Project Expenses

PERMITS	REECE	Electrical Permit	1.00	\$180.01	\$180.01
PERDIEM	REECE	Perdiem Costs including Hotel, Food, and Other Related Travel Expenses	1.00	\$5,000.00	\$5,000.00
WARRANTY	REECE	Workmanship Warranty	1.00	\$0.00	\$0.00
Overall Project Expenses SUBTOTAL:					\$5,180.01
OTHER ITEMS SUBTOTAL:					\$18,790.01

TERMS AND CONDITIONS

Exclusions & Clarifications

- All 120V Power Required for Devices and Systems in this proposal is to be provided and installed by Others unless otherwise noted.
- All 120V Surge Protection Required for Devices and Systems in this proposal is to be provided and installed by Others unless otherwise noted.
- All Pathways, Conduit, Wiremold, Cable Tray, Back-Boxes, Junction Boxes, etc. Required for Devices and Systems in this proposal by Others unless otherwise noted.
- Network POE and/or PoE+ Switches Required for Devices and Systems in this proposal by Others unless otherwise noted.
- IP Addresses Required for Devices and Systems in this proposal to be provided by others unless otherwise noted.
- Monitors, PC's, Viewing Stations, etc. Required for Devices and Systems in this proposal by Others unless otherwise noted.
- Patching and Painting by Others unless otherwise noted.
- Cable installed by Others must be pulled to device location unless otherwise noted.
- Excludes Lift Rental unless otherwise noted.
- Excludes Backboards unless otherwise noted.
- Excludes Network Cabinets and Racks unless otherwise noted.
- Excludes configuration and troubleshooting of customer's network, including but not limited to, switches, routers, existing copper, fiber, and wireless networks. Configuration and troubleshooting of customer's network by REECE would be performed and invoiced separately on a Time and Materials Change Order upon customer approval.
- VOIP System Programming Required for Devices and Systems in this proposal by Others unless otherwise noted.
- Existing Access Control System unless otherwise noted.
- Existing Video Management System unless otherwise noted.
- Existing Intrusion Detection System unless otherwise noted.
- Includes Permit and Inspection as Required.
- Changes to design and/or scope may result in additional charges.
- All work to be performed during regular business hours.
- One-Year Warranty from substantial completion on workmanship, manufacturer's warranty applies to REECE-supplied material.
- Materials marked "OFE" are Owner Furnished Equipment, installed by REECE, provided by others.
- Terminations to electrified lock hardware that is installed by others or existing will be done as follows:
Terminations will be made at the frame side of the hinge for electrified panic bars, lever sets and mortise locks.
Terminations will made directly to electrified strikes, mag locks, overhead door motors and gate openers.
- Proposal pricing assumes that existing equipment is fully functional. Troubleshooting, repair, and replacement of existing equipment will be performed on a Time and Materials change order upon customer approval.
- Proposal pricing assumes that existing cable is fully functional. Troubleshooting, repair, and replacement of existing cable will be performed on a Time and Materials change order upon customer approval.
- Idle time incurred due to absence of required escorts, clearances, inability to enter the workspace, or other factors beyond our control will be considered a change in the contract and may result in additional charges.
- Price valid 30 Days from Date of Proposal. Projects will be billed monthly for all costs incurred. Payment is due Net 30 Days from invoice.

QUOTE SUMMARY

BILL TO:	SHIP TO:
Lowell Public Library	Lowell Public Library
TBD	TBD
Lowell, OR 97452	Lowell, OR 97452

PROJECT EQUIPMENT AND LABOR

Description	Amount
Purchased Equipment:	\$47,710.92
Installation Services:	\$30,385.00
Freight Total:	\$1,726.83
Misc. Total	\$0.00
Total One Time Charges	\$79,822.76

MAINTENANCE AGREEMENT

Description	Amount
Service Support Agreement	\$0.00

All applicable sales taxes extra.

This Quote shall become binding on the parties hereto when signed by Subscriber and accepted and approved by REECE Complete Security Solutions. By Customer's signature, Customer acknowledges that they have read, understood and agreed to REECE Complete Security Solutions Terms and Conditions.

CLIENT APPROVAL

Submitted By:REECE Complete Security Solutions

Accepted By:Lowell Public Library

06/28/2022

Date

Date

Erik Harm

Print Name

Print Name

Signature

Signature